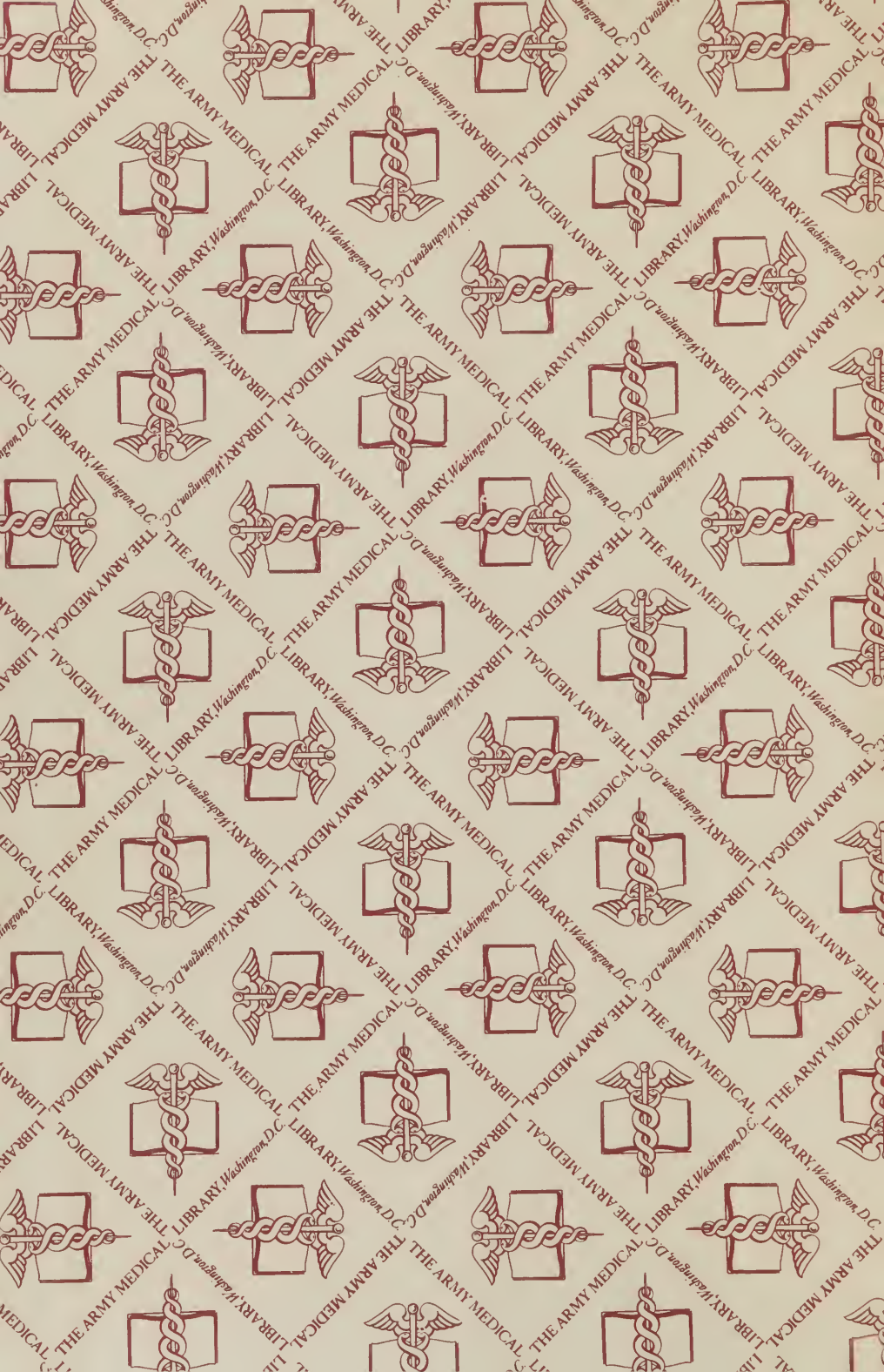


QS  
W819c  
1850



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CATALOGUE  
OF  
THE WISTAR,  
OR  
ANATOMICAL MUSEUM  
OF THE  
UNIVERSITY OF PENNSYLVANIA.

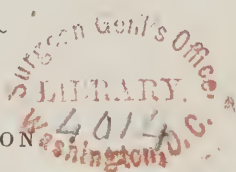
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BY W. E. HORNER, M.D.,

PROFESSOR OF ANATOMY.

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THIRD EDITION



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PHILADELPHIA:

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1850.

ANNEX  
Museum

QS  
W819c  
1850

Film 7432 Item 2

## P R E F A C E .

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THE foundation of the Anatomical Museum of the University of Pennsylvania, was laid by the Widow of the late Professor Wistar. This estimable lady, after the death of her husband, January 22d, 1818, bearing in mind the extreme interest which he had always felt, but more particularly in the latter period of his life, for the advancement of his Chair, and for increasing the facilities of Anatomical instruction; was convinced, that if the sickness which terminated his life had allowed, he certainly would have made a bequest of his preparations to the University. She therefore determined to manifest, both her own affection for the memory of her distinguished husband, and the regard which she had for the scene of his labours, by purchasing at her own expense, and presenting to the University, his collection. This was accordingly done. The course of human events has now for several years numbered her, at an advanced age, with those who live no more on earth. But this monument of her liberality and of her husband's devotion to his duties as Professor of Anatomy, still remains as he left it.

Dr. Wistar's cabinet consisted principally in a very fine series of dried preparations of the sanguiferous and lymphatic systems, of corrosions, and of models in wood. The preparations of the lymphatics were, for the most part, from the school of the celebrated Mascagni, having been imported from Italy about the year 1812.



Some very finished lymphatic preparations are of domestic origin. The models of wood were executed by Mr. Rush, a distinguished carver of this city.

In the year 1824, the Managers of the Pennsylvania Hospital, with a kindness which has met with the highest commendation, gave to the University their Anatomical Cabinet, consisting in preparations—in models of wax made by Dr. Chovet—and in plaster casts and crayon drawings, which were originally sent to this country by Dr. Fothergill, of London, in 1762.

With these initiative measures, it has been the unceasing care of the Professorship of Anatomy since, to increase and to improve the Museum. The accommodations in the present Medical Hall, and the extent of the room allotted to the Museum, have given a strong incentive and great opportunity for exertion. A numerous series of wet preparations, forming now the body of the Museum, has been made; and includes a very large number of most interesting specimens of Morbid Anatomy and of minute structure. Many preparations in natural history and in comparative anatomy, besides numerous drawings, have been added, and also models. The variety of articles, illustrating the different points of Human Anatomy, is indeed so extensive, that it would be extremely difficult to introduce them all by demonstration into a course of lectures; and it is confidently believed, that this Museum, in surpassing the majority of collections in amplitude, yields to none in the comparative value, neatness, and utility of its specimens, taken in the aggregate.

In explanation of this catalogue, it may be stated that the plan adopted, divides into several classes the preparations and specimens. Each class, excepting the first, is indicated by its appropriate letter. It has been an



object to keep the several kinds of preparations, that is, the wet and the dry, perfectly distinct, both in their locality and in their classification, yet a blending of them has occasionally been resorted to, as the most simple plan of illustrating particular structures.

In the catalogue, the number of the piece, and its class, are placed in the first column, the designation of the piece in the second, and the donor's or preparer's name in the third. The latter represents the name in full or by initials, thus:

W.	stands for Wistar,
P.	“ for Physick,
P. H.	“ for Pennsylvania Hospital,
J.	“ for James,
H.	“ for Horner.

{ This mark relates to pieces which have been sawed into two or more parts. Sometimes the same number is put upon the several parts, sometimes consecutive numbers.

A great difficulty with every anatomist having a cabinet of magnitude, is the numbering of pieces in such a way, that he may introduce fresh articles, so as to harmonize both in their positions and numbers with their congeners. The following plan has been found to answer. For example, in the class A., many preparations intervene between the primary Nos. 12 and 13, and they are introduced without confusion by adopting fractional signs, as 12-1, 12-2, 12-3, 12-4, 12-5, &c. From this it is evident that a thousand preparations may subsequently come in between 12 and 13, without ever disturbing the existing catalogue. It also adds inconsiderably to the complexity of the plan, to subjoin a fraction to a fraction, as 12-1-1, 12-1-2, 12-1-3,

12-1-4, 12-1-5, 12-1-20, 12-1-100, &c., so that a preparation, let it be added at the most distant interval of time, need never be separated either in number or position from its cognates. For the want of some such method, the requirement is very common in growing collections, of altering the numbers of preparations every few years. A different classification may in the progress of things be deemed advisable also here, and as a consequence may involve the necessity of new numbering, but it will be a measure of general convenience rather than an obligation.

W. E. HORNER,  
*Professor of Anatomy in the  
University of Pennsylvania.*

*Philadelphia, Nov. 14, 1850.*

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# CATALOGUE.

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## MODELS, PAINTINGS AND BOOKS.

1	Male figure,	Wax, by Dr. Chovet, P. H.	
2	Female figure,	do.	do.
3	Bust of male,	do.	do.
4	Fœtus in utero,	do.	do.
5	Fœtus and placenta,	do.	do.
6	Fœtus on pedestal,	do.	do.
7	Fœtus dissected,	do.	do.
8	Female genital organs and kidneys,	do.	do.
9	Intestines of adult,	do.	do.
10	Abdomen, externally, of pregnant woman, in plaster, presented by Dr. Fothergill,	do.	do.
11	Abdomen, internally, in plaster,	do.	do.
12	Breech presentation, in plaster,	do.	do.
12—1	Superficial muscles, in plaster,		Wistar.
12—2	Phrenological bust, in plaster,		Horner.
12—3	Phrenological divisions of cranium,		do.
12—4	Skull of criminal hung for murder at Ed.,	Cast,	do.
12—5	Do. do. do.	in Eng.,	do. do.
12—6	Skull of Raphael,		do. do.
12—7	Do.		do. do.
12—8	Do. Hagerty, hung for murder at Ed.,		do. do.
12—9	Do. Heaman,	do.	do. do.
12—10	Do. idiot of Germany,		do. do.
12—11	Do. showing organs of conscientious- ness,		do. do.
12—12	Mask of Cromwell,		do. do.
12—13	Do. of Pitt,		do. do.
12—14	Do. of Voltaire,		do. do.
12—15	Do. of John Hunter,		do. do.
12—16	Do. of Sir Isaac Newton,		do. do.

12-17	Mask, a physician of Paris,	Cast, Horner.	
12-18	Do.	do. do.	
12-19	Convolutions of brain,	do. do.	
12-20	Cast of a head found in an old burying ground at Rheims, France, presented by Dr. Richard Harlan.		1842.
12-22	Miniature cast, in plaster, of Hercules,	Horner.	1844.
12-23	Bust of Virgil,	do.	"
13	Model of interior of brain, by Rush, in wood,	W.	
14	Do. basis	do. do.	
14-1	Do. brain, by Dr. Usher Parsons, of Providence, R. I.,		1838.
14-2	Wax model of foot, in dry mortification, pre- pared and presented by Prof. Pancoast,		"
14-3	Wax model of a Chinese at Macao, being a double conception; one attached by neck to the sternum of the other, done by Bran- no, from clay model,		1844.
14-4	Wax model of adult club-foot, by Branno,		"
14-5	Do. infant	do. do.	"
14-6	Do. do. do.	do.	"
14-7	Real bones, original of 14-6.		"
14-8	Wax model of penis, by Branno,		"
14-9	Model of artero-venous circulation of head,		1848.
14-10	Do. nervous distribution of head,		"
14-11	Do. in wax, by Branno,		1846.
14-12	Do. do. do.		"
14-13	Do. do. do.		"
14-14	Do. do. do.		"
14-15	Do. do. do.		"
14-16	Do. do. do.		"
14-17	Do. do. do.		"
14-18	Do. do. do.		"
14-19	Do. do. do.		"
14-20	Do. of structure of bone, Thibert, pre- sented to Dr. Horner by Dr. Wood.		1850.
15	Do. eye, by Rush, in wood,	W.	
15-1	Do. do. by Ernest Flohr,		1842.
16	Do. larynx, in clay,	W.	
17	Do. do. do.	do.	
17-1	Larynx, model, in wood, by Main,		1850.
18	Model of the thyroid cartilage, paper,	W.	
19	Do. Chinese foot, clay, Dr. Chapman.		
19-1	Do. male organs of generation, with im- perfect bladder, clay,	W.	



- 19—2 Model in plaster of paris, of the external  
genitals of a black hermaphrodite  
(an imperfect female, with hyper-  
trophy of the clitoris), obtained  
from the dissecting rooms in the  
winter 1849-50.
- 20 Do. first row of carpus, by  
Rush, in wood, Physick.
- 21 Do. second row, do. do. do.
- 21—1 Carpus, model in wood, by Main. 1849.
- 22 Model of radius, do. Physick.
- 23 Do. sphenoid bone do. W.
- 24 Do. upper maxillary and pa-  
late bones, do. do.
- 25 Do. lower turbinated bone, in lead, do.
- 26 Do. cellular part of ethmoid  
bone, wood, do.
- 27 Do. ethmoid bone, do. do.
- 28 Do. unguiform bone, do. do.
- 29 Do. temporal bone, do. do.
- 30 Do. labyrinth, do. do.
- 31 Do. external ear, clay, do.
- 32 Do. temporal bone, Wax, do.
- 33 Do. bones of tympanum, do. do.
- 34 Painting, crayon, anatomical, by  
Rymsdike, 1760, from Dr. Fothergill, P. H.
- 35 Do. do. do. do. do.
- 36 Do. do. do. do. do.
- 37 Do. do. do. do. do.
- 38 Do. do. do. do. do.
- 39 Do. do. do. do. do.
- 40 Do. do. do. do. do.
- 41 Do. do. do. do. do.
- 42 Do. do. do. do. do.
- 43 Do. do. do. do. do.
- 44 Do. do. do. do. do.
- 45 Do. do. do. do. do.
- 46 Do. do. obstetrical, do. do.
- 47 Do. do. do. do. do.
- 48 Do. do. do. do. do.
- 49 Do. do. do. do. do.
- 50 Do. do. do. do. do.
- 51 Do. do. do. do. do.
- 52 Æsculapius, bust of, presented by Dr. E. Hudson.
- 53 Nathaniel Chapman, Prof., &c., do. Dr. G. R. B. Horner.
- 54 William Shippen, Prof., &c.
- 55 Mascagni, anatomia magna 6 fasciculi,

56	Albinus's tables of the muscles,	Wistar.	
57	Professor Bujalsky, surgical anatomy of the large arteries, presented by the Author.		1829.
58	Crayon drawing of nails and hair, by Titian Peale.		1830.
59	Do. cuticle, nails, and hair,	do.	"
60	Do. veins,	do.	"
61	Do. tensor tarsi muscle,	do.	"
62	Do. muscles of eye ball,	do.	"
63	Do. vessels of eye ball,	do.	"
64	Do. glands of Meibomius,	do.	"
65	Do. lachrymal ducts,	do.	"
66	Do. brain,	do.	"
67	Do. spinal marrow,	do.	"
68	Do. nervous ganglion,	do.	"
69	Do. sympathetic nerve, the be- ginning of,	do.	"
70	Do. nerves of labyrinth,	do.	"
71	Do. nerves of nose,	do.	"
71—1	Do. nerves of septum narium,	do.	1832.
72	Do. papillæ of kidney,	do.	1830.
73	Do. tubuli uriniferi,	do.	"
74	Do. papillæ of tongue,	do.	"
75	Do. muscles of tongue,	do.	"
76	Do. dentition,	do.	"
77	Do. villi of intestines,	do.	"
78	Do. vesiculæ seminales,	do.	"
79	Do. testicle,	do.	"
79—1	Tubuli seminiferi, oil painting.		1834.
80	Crayon drawing of descent of testicle,	do.	1830.
81	Do. lymphatics,	do.	"
81—1	Neck of bladder, muscles of, after description of Dr. Horner.	do.	1835.
82	Model of muscles of eye ball, by Dr. Goddard.		1832.
83	Model for muscular motion,	Horner.	"
84	Do. of throat, in wax, by Dr. Goddard.		1833.
84—1	Drawing of papillæ of cutis vera, by Flohr.		1834.
85	Do. do. do. do.	do.	"
86	Do. do. tongue,	do.	"
87	Do. villi and follicles of intestines,	do.	"
88	Do. do. stomach,	do.	"
89	Do. calamus scriptorius,	do.	"
90	Do. peritoneum, by William Smith.		1842.
91	Do. tubuli lactiferi,	do.	"
92	Do. posterior vertebral liga- ment,	do.	"
93	Do. internal costo-transverse ligament,	do.	"

94	Drawing of posterior costo-transverse ligament, by William Smith.	1842.
95	Do. head of chimpanzee, do.	"
96	Do. human facial angle, do.	"
97	Do. head of lion, do.	"
98	Do. muscles of face, front view, do.	"
99	Do. do. side view, do.	"
100	Do. do. recti and obliqui of neck, do.	"
101	Do. do. side view, do.	"
102	Do. pharynx, do.	"
103	Do. tongue, do.	"
104	Do. diaphragm, do.	"
105	Do. muscles of animal life, (after Müller), do.	"
106	Do. do. do. do. do.	"
107	Do. do. organic life, do. do.	"
108	Do. vesiculæ seminales, do.	"
109	Do. sacs of anus (after Horner) do.	"
110	Do. trachea, do.	"
110—1	Do. larynx, by Titian Peale,	1832.
111	Do. lymphatics of penis (after Breschet), by William Smith.	1842.
112	Do. vasa vorticosa and canal of Petit, do.	"
113	Do. tunica choroidea and iris, do.	"
113—1	Do. iris, from life, by Kern,	"
114	Do. red globules of blood, to wit : A. man, (after Wagner), B. common fowl, (do.), C. frog, (do.), D. <i>Squalus squatina</i> , (do.), E. <i>Lophius piscatorius</i> , (do.), F. scorpion, (do.),	W. Smith. "
115	Do. osteogeny, to wit : A. canals of havers (after Deutsch), B. do. (after Meischer), C. osseous corpuscles, (after Müller),	} do. "
116	Do. osteogeny : A. epiphyses ossifying, (after Müller), B. surface of bone ossifying, (after Sharpey),	} do. "

117	Drawing of ossification in humerus of a calf, as seen in a vertical cut, (after Sharpey),	} W. Smith.	1842.
	A. outline of same bone, (do.)		
118	Do. primitive fibrillæ of spinal mar- row and brain according to Ehrenberg,	do.	"
119	Do. tubular nervous fibres, (Ehren- berg),	do.	"
120	Do. cellular substance magnified,	do.	"
121	Do. tendinous filaments, (after Jor- dan),	do.	"
122	Do. nerves of heart,	do.	"
123	Do. filaments of the elastic ligaments of back,	do.	"
124	Do. filaments of fibrous coat of aorta,	do.	"
125	Do. intestinal villus (after Krause),	do.	"
126	Do. air vesicles of lungs (after Horner)	do.	"
127	Herniarum corporis humani tabulæ, Petro- politani, 1835. Presented by command of the Emperor Nicholas of Russia, through the Russian Consul at N. Y.,		1837.
128	Portrait of Prof. Philip S. Physick, by Inman, presented by the Medical class,		"
128—1	Lock of hair (queue) from the head of Prof. P. S. Physick, taken after his death, and presented by his son-in-law, Dr. Jacob Randolph, to Dr. Horner,		"
129	Portrait of Prof. W. P. Dewees, by Nagle, presented by Medical Faculty,		1841.
129—1	Portrait of Professor Chapman, presented by class, session 1847—48.		
130	Drawing of foramen ovale, by Titian Peale,		1832.
131	Bust, in plaster, of Prof. Caspar Wistar.		
132	Do. do. do. Benjamin Rush.		
133	Lithograph, full length, of skeleton, drawn and presented by	Watson.	1843.
135	Medal of Sir Benjamin Collins Brodie, pre- sented by Medical Profession of Great Britain. See Minutes of Medical Faculty,		1845.
136	Transverse section of bone magnified, draw- ing of, by Kern, after Leidy,		1846.
137	Drawing of glandulæ odoriferæ of axilla, by M'Ilvaine,		"
138	Blood corpuseles—human, and frog,		1848.
138½	Trepanning instruments from collection of Prof. Wistar, used by him as a Surgeon,		1818.

139	Enamel, segments of, (drawing, M'Ilvaine),	1846.
140	Dental tubules, segments of, do. do.	"
141	Do. do. do. do.	"
142	Wolfian bodies, do. do.	"
143	Spermatozoa, do. do.	"
144	Retina—Lens, do. do.	"

## OUTLINES ON BACK OF DRAWINGS.

Acini of liver,	on	No. 123.	Kidney, tubules of,	on	No. 125.
Do.	"	124.	Pancreas,	"	104.
Bronchial cartilage,	"	108.	Spleen,	"	105.
Carpal articulation,	"	93.	Tubuli uriniferi,	"	125.
Corpora Wolfiana,	"	122.	Do.	"	120.
Cremaster muscle,	"	79.			

*Series marked A. consisting principally of wet preparations.*

## BLOOD.

A.		
1	Fibrine of blood washed,	Horner.
1—1	Blood dried on a card,	do. 1836.
1—2	Coagulum of blood cupped,	do. 1833.
1—3	Protein, dried,	Leidy.
1—5	Gelatin, do.	do. 1850.
1—6	Do. moist,	do. "
1—7	Albumen, dried,	do. "
1—8	Do. moist,	do. "
1—9	Vegetable fibrin, moist,	do. "
1—10	Casein, moist,	do. "
1—11	Do. dried,	do. "
1—12	Sugar of milk,	do. "
1—13	Bile,	do. "
1—14	Uric acid,	do. "
1—15	Cholesterine,	do. "
2	Fibrin of blood washed,	Horner.
2—1	Muscle, gastrocnemius, minutely injected,	do. 1827.
2—2	diaphragm, do.	do. "
2—3	pectoralis major, do.	do. "
2—4	Marasmus of peroneus longus,	do. 1828.
2—5	Double pronator quadratus,	P. H. do. 1830.
2—6	Adipocere,	do. 1846.
2—7	Elastic tissue from lig. nuchæ of elephant,	Leidy. 1847.
2—8	Section of costal cartilage of elephant,	do. "
2—9	Muscular fasciculi, gastroc. dissected, of man,	do. 1849.
2—10	Do. do. do.	do. "

## BONES AND THEIR DISEASES AND ACCIDENTS.

A.			
3	Calcined bone,		Horner.
4	Do. do.		do.
5	Do. do.		do.
5—1	Lamellated condition of bone, (Glass Bell),	do.	1826.
6	Bone subjected to acid and earthy part removed,		do.
6—1	Os femoris, upper part, softened in muriat. acid,		do. 1844.
6—2	Do. head,	do.	do. “
6—3	Do. lower end,	do.	do. “
7	Bone subjected to acid and earthy part removed,		do.
8	Do. do.		do.
8—1	Internal and external periosteum of os femor. injected,		do. 1826.
8—2	Do. do. tibia,		do. “
8—3	Do. do. tibia and fibula,		do. “
8—4	Scapula of pig fed on madder,		do. “
8—5	Do. do. do.		do. “
8—6	Bones of leg, do. do.		do. “
8—7	Ossa innominata, do. do.		do. “
8—8	Vertebræ, do. do.		do. “
8—9	Bones of a pig, 5 months after being fed on madder,		do. “
8—10	Do. do.		do. “
8—11	Os humeri and teeth of a fœtal pig, coloured by feeding the mother on madder, presented by Professor Mussey,		1830.
9	Infantile os parietale, minutely injected,		do.
10	Do. os occipitis, do.		do.
11	Do. bones of fore-arm, do.		do.
12	Do. os femoris, do.		do.
13	Do. tibia and fibula, do.		do.
14	Do. do. do. do.		do.
15	Do. lower extremity, do.		do.
16	Do. tibia and fibula, do.		do.
16—1	Fœtal os femoris, minutely injected,		do. 1826.
16—2	Do. tibia, do.		do. “



<b>A.</b>		
16—3	Fœtal fibula, minutely injected,	Horner. 1826.
16—4	Commencing ossification in patella,	do. “
16—5	Do. do. do.	do. “
16—6	Do. do. os calcis,	do. “
16—7	Do. do. do.	do. “
16—8	Do. do. astragalus,	do. “
16—9	Do. do. do.	do. “
16—10	Do. do. in lower epiphysis of os femoris,	do. “
17	Fracture of olecranon with ligamentous union,	do.
18	External lateral dislocation of elbow,	do.
19	Fracture of external condyle of the os humeri with consequent deformity,	do.
19—1	Os humeri. Treated by Prof. Physick for pseud-arthritis by seton. Deposited by his daughter, Mrs. Randolph, February 21, 1850. See Dorsey's Elements of Sur- gery.	
20	Hip joint diseased and cured after second- ary dislocation, with exfoliation of the head of the os femoris,	do.
21	Dislocation of os humeri into axilla with oblique fracture of the tuberosities,	do.
22	Dislocation of os humeri into axilla, the re- duction of which was attended with rup- ture of the axillary artery, and death from the hemorrhage,	do.
23	Callus, after fracture of the bones of the leg, injected,	do.
23—1	Tibia absorbed through by an old ulcer, and a ligamentous union in its place,	do. 1826.
23—2	Osteo sarcoma of os femoris, in female,	do. 1828.
23—3	Ligamentous union of fractured patella,	do. “
23—4	Ununited fracture of patella, presented by Dr. R. A. Given,	do. 1846.
24	Callus, after fracture of the bones of the leg, injected,	do.
25	Do. do.	do.
26	Caries in spine of infant,	do.
27	Do. adult,	do.
27—1	Do. do.	do.
27—2	Do. do. from the same in- dividual,	do.

A.		
27—3	Cervical vertebræ, fracture of,*	Horner. 1826.
27—4	Do. do.	do. 1830.
27—5	Ankle joint, caries of,	do. “
27—6	Cartilaginous bodies from wrist joint,	do. 1834.
27—7	Exostosis of thumb,	do. 1838.
27—8	Fore-arm amputated for injury from a threshing machine,	do. 1842.
27—9	Fungus hæmatodes of knee,	do. “
27—10	Ulceration of knee joint,	do. “
27—11	Mollities of os femoris, presented by Dr. Tenney, of Mass., to Dr. I. Hays. See Amer. Journal Med. Sciences, 1840.	do. “
27—12	Fracture of cervical vertebræ,	do. “
27—13	First phalanx of great toe, cut off for pain following amputation of same bone,	do. “
27—14	Knee joint, erosion of cartilages,	do. 1844.
27—15	Degenerated palmar bursa, removed from a child at 3 years, by Dr. Horner,	do. “
27—16	Lumbar vertebræ with excavation in front, from * * * presented by Dr. C. W. Pennock,	do. 1846.

## ORGANS OF CIRCULATION.

A.		
28	Adult heart,	Horner.
28—1	Do.	do. 1830.
28—2	Do. minutely injected,	do. 1832.
28—3	Do. prepared by boiling,	do. 1846.
28—4	Thoracic aorta, coats separated by injecting water in a fine stream, by Dr. Pennock,	do. “
28—5	Primitive iliac artery of the elephant, dissected so as to exhibit its coats,	1847.
29	Fœtal heart,	do.
30	Do. showing foramen ovale,	do.
30—1	Infant heart, with foramen ovale, open,	do. 1830.
30—2	Adult do. do. and vegetations on semilunar valves of aorta, case of Mrs. R.,	do. “
30—3	Supposed ossification of heart,	do. 1837.

\* See Path. Anat., by W. E. Horner, p. 389.

- A.
- 30—4 Congenital deficiency of orifice of pulmonary artery, presented by Prof. Chas. D. Meigs, H. 1838.
- 31 Heart of shark, do.
- 32 Do. alligator, do.
- 33 Do. do. do.
- 34 Aneurism of abdominal aorta, by Dr. A. Tucker, do.
- 35 Laminated coagulated lymph, from 34, do.
- 36 Enlarged heart, W.
- 36—1 Hypertrophy of heart, found in Rev. Mr. C., H. 1830.
- 36—2 Do. with dilatation, do. “
- 37 Adhesion of pericardium to heart, W.
- 37—1 Pericarditis of infant, presented by Dr. Hodge, H.
- 37—2 Do. adult, do.
- 37—3 Pericarditis with general adhesion, do. 1826.
- 37—4 Pericarditis found in Miss B., do. 1828.
- 38 Unnatural opening between the auricles of a child's heart, do.
- 38—1 Hypertrophy of ventricles of heart, do.
- 38—2 Aneurism of left ventricle of do. presented by Dr. Jackson, do. 1826.
- 38—3 Fungus hæmatodes of lymphatic glands of the heart, by Professor B. F. Bache, do. “
- 38—4 Heart, lymphatic glands, scirrhus of, do. “
- 38—5 Hypertrophy of heart, Dr. Jackson, do. 1828.
- 38—6 Imperfect septum auriculorum, do. do. “
- 38—7 Do. do. do. do. 1842.
- 38—8 Vegetations of semilunar valves of aorta, presented by Dr. Ed. Worrell, U. S. A., do. “
- 38—9 Hypertrophy of heart, presented by Dr. J. L. Ludlow, do. “
- 38—10 Hypertrophy of heart, presented by Dr. John R. Edmonds, do. 1846.
- 39 Aneurism of thoracic aorta, do.
- 40 Do. of arch of aorta, do.
- 41 A portion of 40, with trachea, do.
- 42 Commencing aneurism of the arch of aorta, do.
- 42—1 Aneurism of thoracic aorta, do.
- 42—2 Do. do. commencing, do.
- 42—3 Carbon, said to have been found in a popliteal aneurism, presented by Dr. S. Jackson, of Northumberland, W.
- 42—4 Incipient degenerescence of aorta, H. 1830.
- 42—5 Aneurism of aorta at arch, do. “
- 42—6 Do. do. presented by Dr. Worrell, do. “

A.		
42—7	Rupture of aorta,*	Horner. 1830.
42—8	Rupture of valve of aorta,	do. “
43	Ossification of the valves of the aorta,	do.
43—1	Valves of aorta ossified,	do. 1834.
43—2	Aneurism of abdominal aorta,	do. 1842.
43—3	Aneurism of femoral artery operated on by Dr. Horner, July 17, 1838. Patient died. See case, Am. Jour. Med. Sciences,	do. “
43—4	Coagulum of blood from 43—3,	do. “
43—5	Aneurism of popliteal artery with osteo- malaxie of os femoris,	do. 1844.
43—6	Ossification of valves of aorta, presented by Dr. Pennock,	do. 1846.
44	Ossification of the valves of the aorta,	do.
44—1	Ossified arteries,	do.
44—2	Do. do.	do.
44—3	Aneurism of ascending aorta,	do. 1826.
44—4	Aorta, minutely injected,	do. 1832.
44—5	Vena cava, ascendens, do.	do. 1832.
44—6	Ossification and contraction of mouth of aorta,	do. 1833.
44—7	Ostium venosum of left side contracted. See Am. Jour. Med. Sc., case by Dr. C. W. Pennock,	do. 1844.
44—8	Ossification of aorta and of pulm. artery,	do. 1845.
44—9	Aneurism of aorta,	do. “
44—10	Dissecting aneurism of aorta in a female, supposed to be nearly 100 years old (black), presented by Dr. C. W. Pennock,	do. 1846.
44—11	Abdominal aorta of do. do.	do. “
45	Polypus of right auricle and ascending vena cava, deposited by Dr. Benjamin Coates,	do.
46	Commencing aneurism of aorta,	Physick.
46—2	Dissecting aneurism of aorta. See Am. Jour. Med. Sc., vol. , case by Dr. C. W. Pennock,	H. 1837.
46—3	Do. do. recent case, dissection by Dr. Goddard,	do. “
46—4	Hypertrophy of heart,	do. “
46—5	Ossification of heart,	do. “
46—6	Pericarditis,	do. “
46—7	Heart, septum ventriculorum deficient,	do. “

\* See page 125 of Path. Anat., by W. E. Horner, for history of case.

- A.  
 46—8 Varicose aneurism of femoral artery. See  
       Am. Jour. Med. Sc., case by Dr. Hor-  
       ner, Horner. 1837.  
 46—9 Sciatic nerve inflamed, same case, do. "  
 46—10 Head of os femoris, same case, do. "
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## ORGANS OF RESPIRATION.

- A.  
 47 Cartilages of larynx, Horner.  
 47—1 Musculus levator glandulæ thyroideæ, do.  
 47—2 Larynx and trachea, minutely injected, do. 1827.  
 47—3 Lung, section of infant, do. do. "  
 47—4 Do. do. do. do. "  
 47—5 Section of lung of adult, do. do. 1832.  
 47—6 Do. do. do. do. "  
 47—7 Larynx and trachea, do. do. "  
 47—8 Minute injection of lung; pulm. art. yellow, do. 1837.  
 47—9 Do. do. do. do. 1838.  
 47—10 Do. do. do. vein red, do. "  
 47—11 Do. do. do. do. do. "  
 47—12 Do. do. do. do. do. "  
 47—13 Do. do. do. do. do. "  
 47—14 Do. do. do. yellow, do. 1837.  
 48 Fœtal lung, do.  
 49 Do. do. do.  
 49—9 Lung, adult, do. 1828.  
 49—10 Do. do. do. do. "  
 50 Gills of rock fish, injected minutely, do.  
 51 Oyster, do. do.  
 51—1 Minute injection of mantle of oyster, do. 1840.  
 52 Oyster, injected minutely, by Dr. Dorsey, P. H.  
 52—1 Lungs of a sea turtle, W.  
 52—2 Lungs and heart of alligator, H. 1828.  
 53 Small polypus on lining membrane of tra-  
       chea, producing suffocation and death, af-  
       ter symptoms of consumption, by Dr.  
       Aaron Tucker, do.  
 54 Larynx of individual who died from meat  
       stopping in it while swallowing, by Prof.  
       Meigs, do.

A.		
54—1	Ulcerated epiglottis, Captain B.,*	Horner. 1830.
54—2	Trachea with membrane of croup, by Dr. Jackson,	do. “
54—3	Do. do.†	do. “
54—4	Scirrhus of larynx,	do. 1833.
54—5	Larynx and trachea with very large mucous lacunæ (Bronchitis),	do. 1839.
54—6	Ulcerated larynx,	do. 1842.
54—7	Arytenoid cartilages detached,	do. “
54—8	Larynx and trachea, in croup,	do. 1845.
54—9	Ulceration of mucous glands of trachea, by Dr. Pennock,	do. 1846.
55	Membrane of croup,	do.
55—1	Tubercular consumption of lung,	do.
55—2	Do. do. presented by Dr. I. Hays,	do.
55—3	Do. do. with pulmonary excavation,	do.
55—4	Do. do.	do.
55—5	Tubercular consumption, with pulmonary excavation,	do.
55—6	Coating of coagulating lymph on lung of infant formed during a peripneumony,	do.
55—7	Collapsed lung from empyema,	do.
55—8	Do. do.‡	do.
55—9	Pleura in empyema,	do.
55—10	Do. do. from same patient,	do.
55—11	Encysted tumor, from under os hyoides,§	do. 1826.
55—12	Bronchial glands of infant enlarged,	do. “
55—13	Lung, tubercular consumption of,	do. “
55—14	Lung, apoplexy of,	do. 1828.
55—15	Do. do.	do. “
55—16	Do. tubercle of, healed,	do. “
55—17	Do. tubercles of, in an infant aged 3 months, (case book,)	do. “
55—18	Atrophy and collapse of lung from an adult,	do. 1830.
55—19	Chronic tubercles of lung,	do. “
55—20	Hepatized lung from an infant,	do. “
55—21	Cyst containing mercury at fork of trachea, found so by Dr. Horner,	do. 1837.
55—22	Lung collapsed from empyema,	do. 1842.
55—23	Section of infant tubercular lung,	do. 1844.
55—24	Wound of lung, with ten fistulous openings into bronchia. Case by Dr. Houston, of Wheeling, Va. See Am. Jour. Med. Sc.,	do. 1845.

\* See Path. Anat., by W. E. Horner, p. 302, for account of case.

† Ib. p. 299.

‡ Ib. p. 230.

§ Extirpated by Dr. Physick.



- A.  
 55—25 Apoplexy of lung, presented by Dr. Pennock, H. 1846.  
 56 Tendon of diaphragm, studded with spots of  
     cartilage, (Osthexia,) do.  
 57 Pleura converted into cartilage (Osthexia,) do.  
 57—1 Do. into bone, (dry) (Osthexia,) do.  
 57—2 Pleura converted into cartilage, do.  
 57—3 Pleuritis pulmonalis of adult, do. 1830.
- 

## ORGANS OF DIGESTION.

- A.  
 58 Teeth, upon a board, Horner.  
 58—1 Teeth of pig, coloured by madder, do. 1826.  
 58—2 Teeth, two molar of pig, do. do. "  
 58—3 Teeth of pig, 5 months after having been  
     fed on madder, do. "  
 58—4 Alveoli softened in muriatic acid, do. 1828.  
 58—5 Gubernacula of teeth in lower jaw, do. "  
 58—6 Do. do. upper jaw, do. "  
 58—7 State of temporary teeth at birth, presented  
     by J. Leidy. 1847.  
 59 Teeth of lower maxilla, with their nerves, Horner.  
 59—1 Exostosis of tooth, do.  
 59—2 Teeth, irregular growth of fangs, do. 1826.  
 59—3 Permanent tooth adhering to deciduous in  
     extraction, and drawn out with it, do. 1842.  
 60 Infantile lower maxilla, injected minutely,  
     to show capsules of the teeth, do.  
 60—1 Teeth in infant lower jaw, pulps and cap-  
     sules finely injected, do. 1828.  
 60—2 Dentition in infant, upper jaw finely injected, do. "  
 62 Infantile lower maxilla, injected to show  
     capsules of the teeth, do.  
 62 Do. do. do. do.  
 63 Do. upper maxilla, do. do.  
 64 Side view of mouth and throat, minutely  
     injected, do.  
 65 Do. do. do. do.  
 65—1 Parotid gland, injected with mercury, do. 1832.  
 65—2 Do. do. do. do. "  
 65—3 Hypertrophy of tongue, removed by Dr.  
     Thomas Harris, do. 1837.

A.			
65—4	Papillæ of tongue of elephant,	Leidy.	1849.
65—5	Do. do. do.	do.	"
66	Tongue with nerves dissected,	Horner.	
66—1	Do. minutely injected,	do.	1832.
66—2	Lips, do.	do.	"
66—3	Muscular coat of œsophagus,	do.	1833.
66—4	Musculus superficialis linguæ of calf,	do.	1845.
66—5	Pharynx and œsophagus,	do.	1846.
66—6	Tongue, papillæ of,	do.	"
67	Tongue of a monkey,	do.	
67—1	Do. of a black bear,	do.	
68	Stomach and spleen minutely injected,	do.	
69	Stomach of an adult,	do.	
69—1	Rugæ of mucous coat of stomach,	do.	1837.
69—2	Glandulæ Peyeri hominis,		1849.
69—3	Do. do. do.		"
69—4	Do. do. ursi, presented by Leidy.		"
69—5	Do. do. do.	do.	"
69—6	Do. do. cassuarii,	do.	"
69—7	Do. do. felis leonis,		"
69—8	Do. do. canis familiaris,		"
69—9	Do. do. equi,		"
69—10	Do. do. do.		"
69—11	Do. do. hominis, from a case of fever, presented by Prof. Bennett, of Edinburgh.		
69—12	Do. do. felis catus,		"
70	Stomach of an adult, minutely injected,	Horner.	
71	Section of stomach, do.	do.	
72	Do. do. do.	do.	
73	Pyloric orifice, do.	do.	
74	Do. dissected,	do.	
75	Coats of the stomach,	do.	
76	Do. do.	do.	
77	Fœtal stomach, injected,	do.	
77—1	Stomach, infant, section of, minutely injected,	do.	
78	Section of small intestines, do.	do.	
78—1	Small intestine of rhinoceros,	do.	1837.
78—2	Do. do.	do.	"
79	Section of small intestines, minutely injected,	do.	
80	Do. do. do.	do.	
81	Do. do. do.	do.	
81—1	Small intestine, infant, section of, injected,	do.	1827.
81—2	Do. do.	do.	"
82	Mucous glands of small intestines,	do.	
82—1	Peyers glands in ileum,	do.	1837.

A.				
83	Section of small intestines, injected minutely, H.			
84	Do.	do.	do.	Physick.
84—1	Jejunum, section of,			Horner. 1827.
84—2	Ileum, section of,			do. "
84—3	Lacteals of ileum, filled with chyle,*			do. 1828.
84—4	Villi of jejunum filled with chyle,†			do. "
84—5	Jejunum in Asiatic cholera, with plastic membrane,‡			do. 1834.
84—6	Do.	do.	do. case No. 3,	do. "
84—7	Do.	do.	do. case No. 4,	do. "
84—8	Ileum in	do.	veins injected,	do. "
84—9	Do.	do.	case No. 3,	do. "
84—10	Do.	do.	arteries and veins injected,	do. "
84—11	Minute injection of small intestine.			
84—12	Do.	do.	dried, showing villi,	do. 1836.
84—13	Do.	do.	do.	do. "
84—14	Do.	do.	do.	do. "
84—15	Do.	do.	do.	do. "
84—16	Do.	do.	do.	do. "
84—17	Do.	ileum,	by Dr. Neill.	1848.
85	Nerves of small intestines,			
				Horner.
86	Section of colon injected,			
				do.
86—1	Colon, sigmoid flexure of, inverted,			do. 1827.
87	Section of colon injected,			
				do.
87—1	Colon, infant, section of, minutely injected,			do. "
87—2	Do.	do.		do. "
88	Head of colon injected,			
				do.
89	Do.	do.	do.	do.
90	Do.	do.		do.
91	Rectum,			
				do.
91—1	Do.			
				do.
91—2	Stomach of horse with the larvæ of œstrus equus (Botts), pres. by Dr. H. L. Hodge,			
				do. 1838.
92	Stomach of a calf,			
				do.
92—1	Stomach of an alligator,			
				do. 1828.
92—2	Do. hyena,			
				do. 1842.
93	Tumor of œsophagus,			
				P. H.
93—1	Cancer of tongue in old woman,			
				Horner.
93—2	Æsophagus, tumor of,§			
				do. 1828.
93—3	Mollescence of œsophagus,			
				do. 1842.
94	Æsophagus with a copper in it,			
				Dorsey.

\* See Path. Anat., p. 122, for case.

† Ibid.

‡ For cases from A. 84—5 to 84—10, see papers on Asiatic Cholera, by W. E. Horner, in Am. Jour. Med. Sc. for 1834.

§ See Path. Anat., p. 197, for case.

|| See Dorsey's Surgery, for case.

A.		
94—1	Fibrous tumor of palate, producing deafness, taken from Mr. D.,	Horner. 1839.
95	Cancer of stomach, Miss B.,	do.
95—1	Scirrhus of stomach, Mr. D.,*	do.
95—2	Do. do.	do.
95—3	Do. do.	do. 1826.
95—4	Stomach, ulceration of mucous coat of,	do. "
95—5	Mucous coat of stomach, inflamed, (on glass plate,)	do. 1828.
95—6	Stomach, all the coats inflamed, (on glass plate,)	do.
95—7	Do. do. on a glass jar,	do. "
95—8	Do. cellular coat of, inflamed, (on glass plate,)	do. "
95—9	Stomach, scirrhus of, in adult,	do. "
95—10	Do. chronic inflammation of,	do. "
95—11	Do. infant, mollescence of, (by Dr. Hays,)	do. "
95—12	Chronic inflammation of stomach,	do. 1830.
95—13	Scirrhus of stomach,	do. 1833.
95—14	Ulcers of mucous coat of stomach, Dr. Goddard.	1837.
95—15	Stomach of very large size,	H. 1839.
95—16	Mollities of stomach in an infant,	do. 1842.
95—17	Scirrhus of stomach, presented by Dr. Keich- line,	do. 1844.
95—18	Cancer of stomach in Mr. S., house painter,	do. 1846.
96	Coagulum of milk formed in stomach,	do.
97	Stomach of yellow fever patient of 1820,	do.
98	Black vomit of do.	do.
99	Ulceration of mucous coat of small intestine,	do.
100	Do. do. injected,	do.
100—1	Chronic peritonitis of small intestine,	do. 1828.
100—2	Do. do. same case,	do. "
101	Intussusceptio intestinorum in a child,†	do.
101—1	Enlarged mesenteric glands in infant,‡	do. 1826.
101—2	Intestinum ileum inflamed, (on glass plate,)	do. 1828.
101—3	Do. do. on a bottle,	do. "
101—4	Mesenteric gland, carcinoma of, from same patient as 142—2,	do. "
101—5	Intus-susception of ileum into colon,	do. 1833.
101—6	Intestine from a case of hernia,	do. 1837.
102	Colon, having a fistula between it and the thigh, from abscess in right iliac region,§	do.

\* See Path. Anat., p. 200, for case.

† Ib. p. 155, for case.

‡ Ib. p. 207, for case.

§ Ib. p. 217, for case.

A.		
102—1	Inflamed colon,	Horner. 1826.
102—2		
102—3	Colon, mucous coat of, inflamed, (on a glass),	do. 1828.
102—4	Colon, chronic inflammation of,	do. "
102—5	Do. do. same subject,	do. "
102—6	Do. ulceration of,	do. "
102—7	Do. follicular inflammation of,*	do. "
102—8	Colon, do. do.†	do. "
102—9	Small intestine, inflammation of, same case as 102—8,	do. "
102—10	Follicular inflammation of colon in a child,‡	do. 1830.
102—11	Colon from patient, died from dysentery,	do. "
102—12	Colon of patient died from colica pictorum,§	do. "
102—13	Aneurism of mesenteric artery,	do. 1837.
102—14	Intus-susceptio intestin. of a child,	do. 1844.
102—15	Spheriform dilatation of cæcum and colon, very large, presented by Dr. E. Worrell,	do. 1846.
103	Stricture of rectum,	do.
103—1	Prolapsus of rectum, pres. by Dr. Harlan,	do. 1826.
103—2	Cancer of rectum, (case book Mrs. M.,)	do. 1828.
103—3	Scirrhus of rectum,	do. 1830.
103—4	Fibrino-mucous substance, discharged per anum, from a gentleman, Mr. M., having the piles badly,	do. "
103—5	Hæmorrhoidal tumor, from Hon. * * *, removed by Dr. Horner, in 1843,	do. 1844.
103—6	Do. removed by do.	do. "
103—7	Do. do. do.	do. "
104	Tape worm, } Tænia solium,	P. H.
105	Do. }	
106	Section of child's liver, injected minutely,	Horner.
107	Do. do.	do.
107—1	Liver, section of, in infant, minutely injected,	do. 1826.
107—2	Do. do.	do. "
107—3	Do. do.	do. 1827.
107—4	Gall bladder,	do. 1830.
107—5	Bile from gall bladder,	do. "
107—6	Do. do.	do. 1838.

\* Ib. p. 176, for case.

† Ib. p. 178, for case.

‡ Ib. p. 180, for case.

§ Ib. p. 203.

|| A. 102-13. This individual, \* \* \*, had been condemned to death for murder, and while under sentence, died from the bursting of his aneurism.

A.			
107—8	Minute injection of liver,*	Horner.	1838.
107—9	Do. do.*	do.	“
107—10	Do. do. by Mr. Keirnan, of London, presented by Dr. Thomas Stewardson,	do.	“
107—11	Do. same,	do.	“
107—12	Encysted gall stone,	Dr. Goddard.	“
107—13	Internal coat of gall bladder,	H.	1845.
108	Lymphatics of liver,	Physick.	
109	Section of scirrhus liver,	Horner.	
110	Do. do.	do.	
111	Do. do.	do.	
111—1	Liver, commencing scirrhus of,	do.	
111—2	Liver, very small, from adult epileptic female,	do.	1827.
111—3	Lobulus Spigelii, very large,	do.	“
111—4	Liver, abscess of,	do.	“
111—5	Liver, fungus hæmatodes of,	do.	“
111—6	Liver, 111—5, section of,	do.	“
111—7	Liver, abscess of,	do.	1828.
111—8	Scirrhus liver, (Capt. B.)†	do.	1830.
111—9	Cancer of liver,	do.	“
111—10	Abscess of liver, opened after attaching liver to side with ligatures, by Dr. Horner. See Am. Jour. Med. Sc.,	do.	1836.
111—11	Hydatids in monkey's liver, presented by Dr. R. Harlan,	do.	1837.
112	Section of spleen, injected minutely,	do.	
113	Do. do.	do.	
113—1	Spleen of infant, injected,	do.	1827.
113—2	Spleen, infant, section of, minutely injected,	do.	“
113—3	Do. do.	do.	“
114	Spleen, having the pulp washed out,	do.	
115	Spleen of calf,	do.	
115—1	Do. rhinoceros, minute injection of,	do.	1837.
115—2	Ossification from spleen,	do.	1838.
115—3	Spleen enlarged,	do.	1842.
116	Spleen ossified on surface, (Osthexia,)	do.	
116—1	Spleen, very large,	do.	1827.
116—2	Do. tubercles of,	do.	1828.
116—3	Spleen, tubercles of, same patient as 116—2,	do.	“
116—4	Spleen, apoplexy of,	do.	“
116—5	Do. do. same patient,	do.	“

\* 107—8 and 107—9. Vena port. yellow. Hepat. art. red. Biliary ducts black—both from same subject.

† See Path. Anat., p. 302, for case.



A.	
116—6	Spleen, ossification of fibrous coat, Horner. 1828.
116—7	Pancreas of infant, minutely injected, do. “
116—8	Bone taken from the spleen, do. 1830.
116—9	Tubercles of spleen, do. 1844.

## EMUNCTORIES.

A.	
117	Kidney, injected minutely, Horner.
118	Do. do. do.
119	Section of kidney, do. do.
120	Do. do. do. do.
121	Do. do. do. do.
122	Do. do. do. do.
123	Do. do. do. do.
123—1	Kidney, infant, section of, minutely injected, do. 1827.
123—2	Do. do. do. do. “
123—3	Do. do. do. do. “
123—4	Kidneys, natural coalition of, across spine, presented by Dr. F. Horner, do. 1828.
123—5	Natural coalition of kidneys, do. 1830.
123—6	Kidney of rhinoceros, do. 1837.
123—7	A third kidney found in pelvis of infant, and presented by Dr. John Neill, do. 1844.
124	Kidney suppurated from calculus, do.
125	Do. do. P. H.
126	Do. do. do.
126—1	Marasmus of kidney, Horner.
126—2	Kidney, fungus hæmatodes of, do. 1826.
126—3	Kidney, diabetic, do. “
126—4	Kidney, marasmus of, presented by Dr. Beesley, do. 1828.
126—5	Kidneys, chronic inflammation of, in an infant, presented by Dr. Hodge, do. “
126—6	Section of urinary bladder, minutely injected, do. “
126—7	Kidney (fungus hæmatodes of, ?) do. 1834.
126—8	Do. which had discharged pus very freely, treated by Dr. Physick, in 1820, died about 1842, do. 1842.
126—9	Fungus hæmatodes of kidney, do. “
126—10	Pelvis of kidney enlarged, do. “

A.			
126-11	Syrup of diabetes mellitus, presented by Dr. Traill Green, of Easton,		1839.
126-12	Sugar of diabetes mellitus, do. do.		"
126-13	Enormous dilatation of pelvis of kidney, from a boy, æt. 11,	Horner.	1844.
126-14	Kidney from same boy, papillæ absorbed, do.		"
126-15	Do. with papillæ absorbed, presented by Dr. C. W. Pennock,	do.	1846.
126-16	Do. with calculous matter in, do.	do.	"
126-17	Do. with Bright's disease, do.	do.	"

## MALE ORGANS OF GENERATION.

A.			
127	Side view of penis and bladder,	Horner.	
128	Do. do.	do.	
129	Do. do.	do.	
130	Penis, urethra cut open,	do.	
130-1	Corpus cavernosum and spongiosum of penis, do.		
130-2	Penis of infant, minutely injected,	do.	1832.
130-3	Do. showing lacunæ,	do.	1834.
131	Testicle, quicksilver injection of,	Wistar.	
131-1	Tubulus seminiferus, injected and unravelled, by Dr. R. L. Fearn,	Horner.	1830.
132	Testicle, quicksilver injection of,	Physick.	
132-1	Tubuli seminiferi unravelled,	Horner.	1826.
132-2	Do. with corpus Highinorianum,	do.	"
132-3	Do. seminiferi, injected by Dr. Fearn,	do.	1828.
132-4	Do. do. by Dr. J. P. Hopkinson,	do.	"
132-5	Do. seminiferi,	do.	"
132-6	Do. do.	do.	"
132-7	Do. do. unravelled,	do.	1830.
132-8	Do. do. do.	do.	"
132-9	Muscle found on vesicula seminalis, by Dr. Togno,	do.	"
132-10	Testicle injected with quicksilver, by Dr. J. P. Hopkinson,		1832.
133	Lymphatics of spermatic cord of a horse,	Wistar.	
134	Tunica vaginalis testis,	Horner.	
135	Do. do.	do.	

- A.
- 136 Prostate gland enlarged, Horner.
- 137 Do. false passages, do.
- 138 Do. third lobe enlarged, do.
- 138—1 Enlarged prostate gland, do. 1834.
- 139 Prostate gland, third lobe enlarged, P. H.
- 139—1 Do. do. enlarged, with hypertrophy of urinary bladder, Horner.
- 139—2 Prostate gland enlarged, with the lower fundus of the bladder having a sac or pouch in it, do.
- 139—3 Prostate gland enlarged, do.
- 139—4 Do. with cartilaginous tubercle on it, do.
- 139—5 False passages in urethra with bladder inflamed, do.
- ✓ 139—6 Enlarged prostate, patient aged 83, operated on for stone, by Dr. Horner, June, 1825, died on 10th day afterwards, incision in prostate not healed, do. 1826.
- 139—7 Sloughing of urethra and abscess under its membranous part, communicating with rectum, do. “
- 139—8 Membrane of urethra enlarged from stricture, do. “
- 139—9 Prostate gland, cancer of, do. “
- 139—10 Perineum, fistula of, and of thigh, do. 1827.
- 139—11 Bladder, male, chronic inflammation of, and of surrounding cellular substance, do. 1828.
- 139—12 Urinary bladder with calculus in,\* do. “
- 139—13 Scrotum, chronic inflammation of, do. “
- 139—14 Cyst behind prostate discharging into urethra, do. 1827.
- 139—15 Bladder of a patient who died in Pennsylvania Hospital, from lateral operation, do. 1830.
- 139—16 Stricture of urethra, with calculus of bladder, Mr. D., do. “
- 139—17 Bladder from James Rooney, æt. 19, from Ireland; died in Philadelphia Alms House Hospital, July 3d, 1842, from vesical calculus of six years' duration, do. 1842.
- 139—18 Calculi from do., weight  $1\frac{5}{8}$  oz. The finer fragments, about 3ij, were broken down by Heurteloup's instrument, and removed. The day before his death some large fragments having become immovably impacted in the urethra, were removed

\* See Path. Anat., p. 193, for case.

## A.

- by a transverse cut into the latter, and also others from the prostate and bladder. The black colour of the skin is remarkable in this piece. Can there be a connexion between the functions of the kidneys and skin influencing colour? Operation by Dr. Horner. Horner. 1842.
- 139-19 Left kidney of above, mollescent, do. “
- 139-20 Right kidney of above, with ureter much dilated and inflamed, do. “
- 139-21 Third lobe of prostate enlarged, do. 1844.
- 140 Scirrhus of scrotum, do.
- 140-1 Elephantiasis of scrotum, excised by Dr. J. M. W. Picton, of New Orleans, do. 1838.
- 141 Scirrhus of testicle, do.
- 142 Do. do. do.
- 142-1 Testicle, carcinomatous, extirpated by Dr. Horner, do. 1826.
- 142-2 Do. do. extirpated by Dr. Randolph,\* do. 1828.
- 142-3 Do. carcinoma of, P. H. do.
- 142-4 Testis with chronic inflammation, excised by Dr. Horner, at Philadelphia Alms House Hospital, do. 1842.
- 142-5 Do. do. do. do. “
- 142-6 Carcinoma of testis, excised by Dr. Horner. Patient died in a few days after from the same disease, it being also in the lumbar lymphatic glands, do. “
- 142-7 Carcinoma of testis in a child (Conner), æt. 3 years. Disease returned and proved fatal in a year or less. Operation by Dr. Horner, in October, 1843, do. 1844.
- 142-8 Ossification of tunica albuginea testis in a patient aged 70 years. Presented by Dr. W. S. Latta, do. “
- 142-9 Do. do. do. do. “
- 142-10 Carcinoma of testis (John Lockey, æt. 50), excised by Dr. Horner, October, 1844, do. 1845.

\* See Path. Anat., p. 191, for case.

## FEMALE ORGANS OF GENERATION.

A.			
143	Female organs of generation with hymen, P. H.		
144	Vulva with	do. Horner.	
145	Do.	do. do.	
146	Do.	do. do.	
146—1	Hymen,	do.	1842.
147	Uterus injected,	do.	
147—1	Uterus, virgin,	do.	1826.
147—2	Ovarium, virgin, Graafian vesicles of,	do.	"
147—3	Do. do. same person,	do.	"
147—4	Vulva of a black infant,	do.	1828.
147—5	Viscera of pelvis in female infant, minutely injected,	do.	"
147—6	Ovarium with corpus luteum,	do.	"
147—7	Fallopian tube,	do.	1833.
147—8	Dropsy of ovary,	do.	1837.
147—9	Bifid uterus,	do.	1838.
148	Female genital organs of panther,		Wistar.
149	Do. do. monkey,	Horner.	
149—1	Placenta of cat injected with quicksilver, by Dr. T. F. Betton,		1832.
150	Labia interna enlarged,		P. H.
150—1	Enlarged nymphæ, excised from a syphilitic patient at Philadelphia Hospital, by Dr. Horner,		Horner. 1844.
151	Scirrhus of the uterus, small,	do.	
151—1	Uterus with small scirrhusities, presented by Dr. T. R. Ritchie,		do.
151—2	Occlusion of vagina from inflammation,		do. 1826.
151—3	Uterus, large scirrhus of, (Dr. Ash,)		do. "
151—4	Do. do.		do. "
151—5	Bladder distended and perineum lacerated in a female,		do. "
151—6	Fibrous tumor discharged from uterus, Dr. J. A. Washington,		do. 1830.
151—7	Fibrous tumor of uterus,		do. 1834.
151—8	Ovarium with Graafian vesicles,		do. 1838.
151—9	Do. do.		do. "
152	Scirrhus of the uterus,		do.
153	Do. do.	do.	
154	Do. do. very large,	do.	

- A.
- |       |  |         |       |
|-------|--|---------|-------|
|       | Uterus, large scirrhus, presented by Dr. Samuel Betton,  | Horner. |       |
| 154—1 | Large scirrhus of uterus,  | do.     | 1842. |
| 154—2 | Immense scirrhus tumors growing from the uterus of an aged woman, presented by Dr. John Neill, | do.     | 1845. |
| 154—3 | Scirrhus uterus,   | do.     | 1846. |
| 155   | Cancer of the uterus,  | do.     |       |
| 156   | Do. do.  | do.     |       |
| 157   | Do. do.  | do.     |       |
| 157—1 | Uteri cervix, cancer of,   | do.     |       |
| 158   | Procidentia uteri,   | do.     |       |
| 158—1 | Do. do.  | do.     | 1833. |
| 159   | Hydatids of the uterus,  | do.     | "     |
|       | Do. do.  | do.     | 1830. |
| 159—1 | Do. uterus,  | do.     | 1833. |
| 159—2 | Do. do.  | do.     | "     |
| 159—3 | Uterine polypus, base of, from Mrs. * * *  |         |       |
|       | of Va., removed by Dr. Hodge,  | do.     | 1844. |
| 160   | Ovarium, dropsical,  | do.     |       |
| 160—1 | Ovarium, very large, dropsy of, presented by Prof. Meigs,                                      | do.     |       |
| 160—2 | Cellular ovarium, dropsy of,   | do.     |       |
| 160—3 | Ovarium, scirrhus of, Dr. O. Taylor,*  | do.     |       |
| 160—4 | Ovarium, very large, dropsy of,  | do.     | 1827. |
| 160—5 | Ovaria with adhesion of Fallopian tubes,   | do.     | "     |
| 160—6 | Ovaria, dropsy of on both sides, Dr. Thomas Wharton,   | do.     | 1828. |
| 160—7 | Ovarium, cellular dropsy of,   | do.     | 1844. |
| 160—8 | Do. large scirrhus of, presented by Dr. C. W. Pennock,   | do.     | 1846. |

## CONCEPTION AND PREGNANCY.

- A.
- |       |  |         |
|-------|--|---------|
| 161   | Uterus, two days after delivery,   | Horner. |
| 161—1 | Uterus with placenta adhering, patient died from hæmorrhage,   | do.     |
| 161—2 | Uterus, two days after delivery, having phagedenic ulcer of neck communicating with bladder, presented by Dr. J. T. Sharpless, | do.     |

\* See Path. Anat., p. 213, for cusc.



## A.

- 161—3 Uterus, five days after delivery, death from  
puerperal fever, Mrs. R., Horner. 1830.
- 161—4 Uterus, one month after natural delivery, do. “
- 161—5 Follicles, muciparous, in cervix of impreg-  
nated uterus, Mrs. R., do. “
- 162 Uterus two days after delivery, do.
- 162—3 Do. four days after delivery, neck torn,  
Goddard. 1838.
- 162—4 Do. upon delivery, H. 1842.
- 163 Placenta adhering to uterus; the latter was  
ruptured and the patient died, do.
- 164 Placenta injected minutely, do.
- 164—1 Placenta macerated, do.
- 164—2 Placenta with three cords, (Prof. Meigs,) do. 1830.
- 165 Cotyledons of cow's uterus, do.
- 166 Do. do. do.
- 167 Section of gravid uterus in cow, do.
- 168 Do. do. do.
- 169 Do. do. do.
- 170 Do. do. do.
- 171 Do. do. do.
- 172 Do. do. do.
- 173 Do. do. do.
- 174 Do. do. do.
- 175 Human abortion of about five weeks, show-  
ing the decidua vera, reflexa, and ovum, do.
- 175—1 Human abortion of from four to six weeks, do. 1842.
- 176 Decidua vera of five weeks, do.
- 177 Decidua reflexa, with chorion of four weeks, do.
- 178 Decidua reflexa, with chorion and amnion  
of six weeks, do.
- 179 Ovum of six weeks, do.
- 180 Embryo of five weeks, do.
- 181 Do. of six do. do.
- 182 Do. of seven do. do.
- 183 Do. of eight do. do.
- 183—1 Fœtus of eight or nine weeks, do. 1826.
- 183—2 Embryo with vesicula umbilicalis, do. 1827.
- 183—3 Fœtus of eight weeks, showing brain and  
spinal marrow, do. 1828.
- 183—4 Fœtus of cow, do. do. do. “
- 183—5 Embryo calf, do. 1842.
- 184 Embryo of nine weeks, do.
- 184—1 Twin embryos of seven weeks, do. 1833.
- 185 Embryo of ten do. do.
- 185—1 Fœtus with its membranes of weeks, do. 1837.



A.			
185—2	Fœtus with its membranes of	weeks, Horner.	1837.
185—3	Do. do.	do.	“
185—4	Do. do.	months, do.	“
185—5	Decidua with embryo, five weeks,	do.	“
185—6	Embryo of five or six weeks,	do.	1842.
185—7	Thymus gland of infant,	do.	“
185—8	Do. adult,	do.	“
186	Embryo of eleven weeks,	do.	
187	Do. twelve do.	do.	
188	Do. three months,	do.	
189	Fœtus of three and a half months,	do.	
190	Do. three and three-quarters do.	do.	
191	Do. do. do.	do.	
192	Do. four months,	do.	
193	Do. four and a half do.	do.	
194	Do. five months,	do.	
195	Do. do.	do.	
196	Do. do.	do.	
197	Do. five and a half do.	do.	
198	Do. do. do.	do.	
198—1	Do. with its membranes,	do.	1837.
198—2	Do. and placenta of weeks,	do.	1838.
199	Do. of five months, within its membranes,	do.	
199—1	Triplets of nine months,	do.	
199—2	Impregnated uterus of five months, Mrs. R.,	do.	1830.
199—3	Do. do. seven do. Mrs. D.,*	do.	“
199—4	Fœtus at full term,	do.	1842.
199—5	Do. six months,	do.	“
199—6	Do. four do.	do.	“
199—7	Uterus impregnated at five and a half months, presented by Dr. Hodge,	do.	1844.
199—8	Uterus in third month of pregnancy,	do.	1846.
200	Thoracic and abdominal viscera of a fœtus of five and a half months,	do.	
201	Do. do. six months,	Dorsey.	
202	Do. do. do.	Horner.	
203	Do. do. seven months,	do.	
204	Do. do. nine months,	do.	
205	Extra-uterine conception of nine months,	do.	
205—1	Fœtus of three months, retained after its death till putrefaction, presented by Prof. W. P. Dewees,	do.	
205—2	Fœtus discharged through the rectum, (Dr. Sansbury,)	do.	1826.

\* From same patient as 234—2.

- A.  
 205—3 Extra-uterine fœtation, full term, found at umbilical region, Horner. 1844.  
 206 Ovary with a tooth on the parietes, having been in an encysted state, and contained adipose matter and hair, do.  
 206—1 Ovary containing a tooth, hair and fat, Dr. Goddard. 1838.  
 207 Hair belonging to 206, Horner.  
 208 Ovary with bicuspidate tooth growing on it, do.  
 209 Fœtus without brain, do.  
 209—1 Cranium of an anencephalous fœtus, do.  
 209—2 Fifth metatarsal bone of negro, with two toes growing upon it, do.  
 209—3 Fœtus with hair-lip, umbilical hernia, and meatus audit : closed, do. 1826.  
 209—4 Anencephalous fœtus, do. "  
 209—5 Double fœtus, Dr. Hayward of N. C., do. "  
 209—6 Fœtus with intestines in thorax, Dr. Harlan, do. "  
 209—7 Do. of three months, with conical termination to trunk instead of lower extremities, passed among the uninformed for a mermaid, do. 1827.  
 209—8 Rectum, fœtal, imperforate, do. "  
 209—9 Deficient rectum in a fœtus, Mrs. P., do. 1830.  
 209—10 Bicephalous fœtus, no brain or spinal marrow, do. 1828.  
 209—11 Duck with double cloaca, do. "  
 209—12 Monoculous fœtus, pres. by Dr. W. N. Duane, do. 1830.  
 209—13 Double fœtus, do. "  
 209—14 Anencephalous fœtus, do. "  
 209—15 Spina bifida in fœtus, do. 1833.  
 209—16 Fœtal organs, double, do. "  
 209—17 Abortive intestine of infant, who died four days old, apparently of ileus, Dr. Goddard. 1837.  
 209—18 Anencephalous fœtus, H. 1838.  
 209—19 External male organs of a reputed hermaphrodite.  
 209—20 Internal do. same. Both presented by Dr. Goddard. 1838.  
 209—21 Umbilical cord ; presented by Dr. Hodge, H. "  
 209—22 Anencephalous fœtus, do. 1839.  
 209—23 Do. of eight months, do. 1842.  
 209—24 Do. of five do. do. "  
 209—25 Do. do. do. do. "  
 209—26 Do. with deficiency of upper extremities, eight months, do. 1845.  
 209—27 Imperforate rectum, do. "

- A.
- 209-28 Spina bifida in fœtus of eight months, Horner. 1845.  
 209-29 Placenta of do. do. "  
 209-30 Anencephalous fœtus of five months, do. "  
 209-32 Cowperian or Bartholinian glands. Pre-  
 paration by Dr. Tiedemann of Heidelberg,  
 and presented by Prof. William Gibson. 1849.  
 209-33 Malformation of fœtal genitalia (Dr. Burns), "  
 210 Germination in kidney bean, Horner.  
 211 Do. do. do.  
 212 Do. do. do.  
 213 Do. Indian corn, do.  
 214 Do. do. do.  
 215 Do. do. do.  
 216 Do. do. do.  
 217 Do. do. do.  
 218 Do. do. do.  
 219 Do. do. do.  
 220 Do. do. do.  
 221 Do. do. do.  
 222 Embryo from incubated egg of pullus gal-  
 linaceus, five days, do.  
 223 Do. do. six days, do.  
 224 Do. do. seven do. do.  
 225 Do. do. ten do. do.  
 226 Do. do. eleven do. do.  
 227 Do. do. twelve do. do.  
 228 Do. do. thirteen do. do.  
 229 Do. do. fourteen do. do.  
 230 Do. do. sixteen do. do.  
 231 Do. do. eighteen do. do.  
 232 Do. do. twenty do. do.  
 232-1 Duck with four legs, do. 1833.  
 232-2 Double headed sheep, Goddard. 1838.  
 232-3 Twin apple, Horner. 1845.  
 232-4 Fœtal pig, monstrosity, Leidy. 1849.  
 232-5 Do. do. do. "  
 232-6 Do. sheep, do. Dr. A. W. Griffiths. "  
 233 Spawn of leeches, Horner.  
 233-1 Chrysalis from rectum of a negro man, do. 1842.  
 233-2 Do. urethra of a man, do. "  
 234 Fungus, formed in closed pot of size co-  
 loured with carmine without putrefaction, do.

## ORGANS OF SENSATION.

## ENCEPHALON, SPINAL MARROW, NERVES.

## A.

234—1	Cerebrum, section of, injected minutely,	Horner.	1827.
234—2	Do.	do.	do. “
234—3	Cerebellum,	do.	do. “
234—4	Spinal marrow of adult,		do. “
234—5	Do.	of infant, injected,	do. “
234—6	Sciatic nerve, infant	do.	do. “
234—7	Do.	adult, spread out,	do. 1828.
234—8	Do.	do.	do. “
234—9	Medulla spinalis of adult,		do. “
234—10	Do.	do.	do. “
234—11	Do.	membrane of,	do. “
234—12	Arachnoid membrane of medulla spinalis ossified, by Dr. Jason O. B. Lawrence,		do. 1824.
234—13	Arachnitis of medulla spinalis,*		do.
234—14	Tubercle in pons varolii,†		do.
234—15	Do.	of right thalamus nerv. optic,‡	do.
234—16	Do.	of hemisphere,§	do.
234—17	Ramollissement of cerebrum,		do.
234—18	Do.	do. same subject, do.	do.
234—19	Hydatid from ventricle of brain,		do.
234—20	Ossification in plexus choroides,		do.
234—21	Do.	in dura mater,	do.
234—22	Tubercle on crus of cerebellum,¶		do. 1830.
234—23	Apoplexy of,	(see case book,)	do. “
234—24	Hydrocephalus, extracephalic of infant,**		do. “
234—25	Periphery of lateral ventricles stripped off in hydrocephalus chronicus,††		do. “
234—26	Chronic inflammation of dura mater,		do. “
234—27	Acute	do.	do. “
234—28	Spinal marrow of infant, minutely injected,		do. 1832.
234—29	Dura mater,		do. 1834.
234—30	Brain of tortoise,		do. “
234—31	Do.	sheep,	do. “
234—32	Do.	calf,	do. “
234—33	Do.	halibut,	do. “

\* See Path. Anat., p. 419, for case.

§ Ib. p. 369.

|| Ib. p. 426.

\*\* Ib. p. 448.

† Ib. p. 367.

‡ Ib. p. 367.

¶ Ib. p. 443—also, preparation 199—3.

†† Ib. p. 437.

A.			
234-34	Brain of sturgeon,	Horner.	1834.
234-35	Do. striped hyena,	do.	"
234-36	Inflammation of corpus callosum, taken from * * * Esq., of Philadelphia,	do.	1842.
234-37	Apoplectic brain,	do.	"
234-38	Cyst of arachnoidea of brain,	do.	1844.
234-39	Sciatic nerve of elephant,	Leidy.	1847.
234-40	Brain of didelphis virginiana,		1849.
234-41	Do. mus decumanus,		"
234-42	Do. lepus americanus,		"
234-43	Do. felis catus,		"
234-44	Do. bos bovis,		"
234-45	Do. cynocephalus (Leidy),		"
234-46	Do. canis familiaris,		"
234-47	Do. felis leonis,		"
234-48	Do. ovis aries,		"
234-49	Papillæ of œsophagus of Chelonia midas, presented by Dr. Mütter,	Leidy.	"
234-50	Poison apparatus of Crotalus durissimus, presented by	do.	"
234-51	Brain of Equus caballus,		"
234-52	Tip of tongue of elephas,		"

## EYE.

235	Eyelids of fœtus, injected minutely,	Horner.	
235-1	Eyelids injected minutely,	do.	1827.
235-2	Do. do.	do.	"
236	Eyelids of fœtus, injected minutely,	do.	
237	Do. do.	do.	
238	Tunica sclerotica,	do.	
239	Do. do.	do.	
239-1	Eye,	do.	1834.
240	Tunica choroidea,	do.	
241	Do. do.	do.	
242	Do. do.	do.	
243	Do. do. injected minutely,	do.	
244	Do. do.	do.	
245	Do. of fœtus, do.	do.	
245-1	Choroidea,	do.	1827.
245-2	Do.	do.	"
245-3	Do. of adult,	do.	1830.
245-4	Do. of infant, minutely injected,	do.	1832.
245-5	Do. do.	do.	"
245-6	Inflamed choroid coat of eye,	do.	1838.

A.		
246	Iris of fœtus, minutely injected,	Horner.
247	Ciliary processes injected,	do.
247—1	Arteries of the retina injected. Prepared by Dr. Physick and presented by him to Dr. Wistar, whose widow presented it to Dr. Isaac Heister of Reading, who, through Dr. Horner, presented it to the Wistar Museum,	1825.
248	Iris,	do.
249	Do.	do.
250	Tunica retina,	do.
251	Do. do.	do.
252	Do. do.	do.
253	Vertical section of the eye, to show coats and humours,	do.
254	Do. do.	do.
255	Do. do.	do.
256	Do. do.	do.
257	Do. do.	do.
258	Do. do.	do.
259	Lens,	do.
260	Do.	do.
260—1	Do.	do. 1830.
260—2	Ossification of lens and of retina,	do. 1838.
261	Choroidea of sheep,	do.
262	Do. do.	do.
263	Ciliary processes of sheep,	do.
264	Do. do.	do.
265	Lens and iris of sheep,	do.
265—1	Sclerotica of a seal, ( <i>Phoca vitulina</i> ),	do. 1830.
265—2	Iris of do.	do. “
265—3	Tunica hyaloidea do.	do. “
265—4	Eye of a devil fish, ( <i>Raya</i> )	do. “
265—5	Sclerotica do.	do. “
265—6	Lachrymal gland of sturgeon,	do. 1838.
265—7	Sclerotica of lioness,	do. 1844.
265—8	Choroidea do.	do. “
265—9	Iris and retina do.	do. “
266	Tunica hyaloidea of bullock,	Physick.
267	Do. do. vertical section,	do.
267—1	Carcinoma of eyeball,	Horner.
267—2	Opake capsule of lens,	do. 1833.
267—3	Fungus hæmatodes of eye, presented by Dr. Thomas F. Betton,	do. 1837.
267—4	Section of crystalline lens of calf,	1847.
267—5	Capsule of crystalline lens, human,	Leidy. 1849.



## EAR.

*(For the most part in bell glasses).*

A.			
268	Six views of tympanum,	Horner.	
269	Ten            do.	do.	
270	Eight        do.            and labyrinth,	do.	
271	Eight views of labyrinth,	do.	
271—1	Sections of temporal bone,		1844.
272	Two labyrinths, (and five casts of do. W.)	do.	
273	Cast of labyrinth,	P. H.	
273—1	A board holding several casts of the labyrinth, by Dr. Goddard,		1831.
274	Cast of bones of tympanum, in brass,	do.	
275	Cavity of tympanum, injected,	Horner.	
275—1	Tympanum, minutely injected,	do.	1828.
276	Labyrinth injected,	do.	
277	Petrous bone, injected,	Physick.	1790.
278	Membrana tympani, do.	Horner.	
278—1	Do.        do.    minutely injected,	do.	1828.
278—2	Do.        do.    and bones of tympanum in situ, prepared by	Dr. Goddard.	1838.
278—3	Cuticle of meatus externus,	Horner.	1844.
278—4	Do.        do.	Leidy.	"
278—5	Fourteen preparations of the anatomy of the ear; mounted in one case. Prepared by Vasseur. Paris,		1848.

## NOSE.

279	Schneiderian membrane on septum, injected,	H.	
279—1	Snout of a black bear,	do.	
280	Schneiderian membrane of sheep, injected,	do.	
281	Do.            do.    section of,	do.	
282	Cartilage of septum ulcerated through,	do.	
283	Fungus of antrum, Highmor.,	do.	
283—1	Do.        do.    extirpated by Dr. Gibson, January 10th, 1828, from Mr. M.,	do.	1828.

*For Preparations on Taste, see Organs of Digestion.*

## SKIN—TOUCH.

284	Hand, injected minutely,	Horner.	
284—1	Do.            do.	do.	1832.



A.		
285	Finger, injected minutely,	Horner.
286	Cutis vera of fœtal head, do.	do.
287	Do. do.	do.
287—1	Sebaceous follicles of nose and lip in black man,	do. 1833.
287—2	Sole of foot, minute injection of,	do. 1837.
287—3	Cutis of a negro man,	do. 1845.
287—4	Glandulæ odoriferæ axillæ, very large, taken from a very muscular black man,	do. “
287—5	Do. of another negro,	do. “
287—6	Do. of a white man,	do. “
288	Finger, injected minutely,	do.
289	Do. do.	do.
290	Child's arm, do.	do.
291	Child's hand, do.	do.
291—1	Skin, do.	do. 1827.
291—2	Do. do.	do. “
291—3	Papillæ tactus of foot (from David Storms,)*	do. 1846.
292	Finger, with rete mucosum, injected,	do.
293	Do. do. do.	do.
293—1	Rete mucosum of an African,	do. 1827.
293—2	Do. do.	do. “
293—3	Layers of skin in do.	do. 1830.
294	Finger, with rete mucosum, injected,	do.
294—1	Cuticle of sole of the foot,	do.
294—2	Cutis vera, marked with Indian ink,	do.
294—3	Toe nails of a female aged 90, (15 years' growth,) by Prof. Meigs,	do. 1826.
294—4	Skin, callous tumour of,	do. 1827.
294—5	Toe nail, hypertrophy of,	do. 1830.
294—6	Cutis vera, marked,	Dr. Goddard. 1837.
294—7	Fibro-chondroid tumour of the subcutaneous bursa over patella. Cut from a woman by Dr. Goddard,	Horner. 1845.
294—8	Fibrous tumour of skin of fore-finger of a little girl; removed by Dr. Horner,	do. “
294—9	Foot of black female (aged) with hypertrophy of toe nails, presented by Dr. Theophilus C. Dunn,	do. 1846.
295	Absorption of colouring matter of rete mucosum of mons veneris of African woman,	do.
295—2	Hair of head from a young negro albino, at Cape May, 1837. The parents of this child	

\* 291—3, Was operated on by Dr. Horner, in November, 1845, for angular deformity of leg from fracture; he died from erysipelas in March following. See also B. 352—3.

## A.

are black; they have had six children, four albinos alternating with two blacks of their own colour. One of each is now dead. The features in each child are negro, the skins of the albinos are white. The eyes are grey, with a pink tinge.

Horner. 1842.

- 295—3 Hair of head from a female, taken from a cemetery of Temple of the Sun, in Peru, do. “  
 295—4 Margarin, 1847.  
 295—5 Human stearin, Leidy. “  
 295—6 Elain from a hog, “  
 296 Print of leprosy in a negro, from Mr. Keating.

## MISCELLANEOUS ARTICLES IN MORBID ANATOMY.

## A.

- 297 Inguinal hernia, Horner.  
 298 Do. do. do.  
 299 Do. do. do.  
 300 Ventro-ingual hernia, do.  
 301 Sac of do. do. do.  
 301—1 Inguinal hernia, patient operated on by Dr. Horner,\* do. 1826.  
 301—2 Hernia, umbilical, large strangulated, do. 1827.  
 301—3 Femoral hernia of left side, mistaken for enlarged lymphatic gland. Patient died from strangulation, do. 1842.  
 302 See 234—12,†  
 302—1 See 234—13,†  
 303 See 234—19,†  
 303—1 See 234—20,†  
 303—2 See 234—21,†  
 303—3 Dura mater, tumour of, taken from a maniacal patient in the Pennsylvania Hospital, deposited by Dr. Coates, and subsequently taken away by do., do.

\* See Path. Anat., p. 208, for case.

† The numbers of these preparations were changed as pointed out.

- A.
- 303—4 Abscess of brain,\* Horner. 1826.
- 303—5 See 234—14,†
- 303—6 See 234—15,†
- 303—7 See 234—16,†
- 303—8 See 234—17,†
- 303—9 See 234—18,†
- 304 Tumour cut from the side of the face of a man, by Dr. Physick, P. H.
- 305 See 142—3,†
- 306 Fungus hæmatodes of thigh, Horner.
- 306—1 Fungus hæmatodes from base of cranium, do. 1833.
- 306—2 Do. do. of parotid gland, removed (the entire gland), by Dr. Jacob Randolph, at Pennsylvania Hospital, December 19, 1837; disease returned and patient died, do. 1838.
- 306—3 Tumour from over primitive carotid, taken from Miss \* \* \* of Penn., by Dr. Horner, do. 1842.
- 306—4 Osteo-sarcoma of ulna, presented by Dr. Heber Chase, do. 1844.
- 306—5 Fungus hæmatodes from sheath of right carotid, removed from Mrs. \* \* \* of N. C., by Dr. Horner, in 1843, do. “
- 307 Carcinoma of eye, P. H.
- 307—1 See 267—1,†
- 307—2 Carcinoma of orbit, extirpated by Dr. Gibson, December 19, 1827, from boy,‡ Horner. 1828.
- 307—3 Carcinoma of antrum Highmorianum, same case, do. “
- 307—4 Fungus hæmatodes of dura mater below os frontis, with absorption of bone, Mr. \* \* \*, U. S. N. Attended by Dr. Thomas Harris, do.
- 308 Scirrhus tumour, P. H.
- 309 Scirrhus of female breast, do.
- 309—1 Scirrhus of do. do. 1826.
- 309—2 Do. do. do. “
- 309—3 Do. mammary gland of male infant, æt. one month. Excised by Dr. Horner, H. 1842.
- 309—4 Scirrhus mamma of female. Excised by Dr. Goddard, do. 1844.
- 309—5 Do. do. old woman, do. Dr. Horner, do. 1845.
- 309—6 Albuminous tumour from mamma of a young woman, removed by Dr. Horner, recovery perfect, do. “

\* See Path. Anat., p. 358, for case.

† The numbers of these preparations were changed as pointed out.

‡ Same case as A. 234—17.

- A.
- 309—7 Slough from carcinomatous mamma, (Miss  
\* \* \*), made by chlor. of zinc, disease  
proved fatal, Horner. 1845.
- 310 Fibrous tumour, P. H.
- 311 Do. do. from thigh, Horner.
- 312 Do. do. P. H.
- 313 Do. do. from side of nose, Horner.
- 313—1 Keloid tumour from buttock of a lady, do. 1837.
- 313—2 Supernumerary fingers from a child, do. “
- 313—3 Osteo-fibroid degeneration of the uterus, 1849.
- 313—4 Scirrhus of antrum Highmor., which caused  
death, February, 1848. Presented by  
Dr. H. H. Smith. “
- 313—5 Rice-like bodies from palmar bursa, do. “
- 313—6 Scirrhus mamma, “
- 313—7 Kidney with Bright's disease. Presented by  
Dr. Keating. “
- 313—8 Hernia.
- 313—9 Aneurism of abdom. aorta. Presented by  
Dr. H. Bond. “
- 313—10 Do. of innominata, from a subject of  
the dissections of 1848—49, “
- 313—11 Sebaceous tumour, “
- 313—13 Scirrhus pancreas, Dr. H. H. Smith. “
- 313—14 Do. deposit in liver; from same patient  
as 313—13, marked on bottle 313—15 in-  
stead of 14, do. “
- 313—15 Scirrhus of uterus. Presented by Dr. Cooper. “
- 314 Adipose tumour from labium externum of  
female, cut out by Prof. Gibson, H.
- 315 Do. do. do. “
- 315—1 Encysted adipose tumour, do. 1826.
- 315—2 Tumour from shoulder, extirpated by Prof.  
Gibson, do. 1828.
- 315—3 Tumour, do. 1838.
- 315—4 Hydrocele of tunica vaginalis testis, by  
Dr. Goddard. “
- 315—5 Glandular tumour from neck, Horner. “
- 315—6 Fatty tumour from shoulder of a young  
woman, removed by Dr. Horner, do. 1845.
- 315—7 Fatty tumour, large, from shoulder of an  
elderly woman, removed by Dr. Horner, do. “
- 316 Enlarged sebaceous gland, do.
- 317 Cellular substance beneath ulcer, injected, do.
- 318 Granulations of ulcer, do. do.
- 319 Do. do. do. do.

- A.
- 319—1 Ulcer of groin, with chronic inflammation  
of iliac region, Horner. 1828.
- 319—2 Ulcer of finger from same patient, do. “
- 319—3 Cancer of neck, do. 1842.
- 319—4 Syphilitic ulcer of pubes, do. “
- 319—5 Chronic ulcer from front of arm-pit (Mr.  
\* \* \* of Va.) excised by Dr. Horner. do. “
- 319—6 Nævus maternus from left side of abdomen  
of infant, excised by Dr. Horner, do. 1844.
- 319—7 Extremity of a conical stump of right thigh,  
being a second amputation, which was  
done in Philadelphia A. H. Hospital, by  
Dr. Horner. The first one done eighteen  
months before in state of N. Y. This  
piece shows the state of the artery and  
vein, also a bursa formed between the  
skin and end of bone, do. 1845.
- 319—8 Tumour from axilla of a man at Erie, Penn.,  
presented through Dr. George W. Norris  
by Dr. Johns, do. “
- 319—9 Needle cut from hand of a house-maid, and  
bit of glass from foot of a boy, by Dr.  
Horner, do. “

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## NATURAL HISTORY.

- A.
- 320 Snake, P. H.
- 321 Do. do.
- 322 Do. do.
- 323 Pupa of insect, do.
- 324 Do. do.
- 325 Scorpion, do.
- 326 Do. do.
- 327 Tarantula, do.
- 328 Flying fish, do.
- 329 Leech, presented by Dr. Fisher, Horner.
- 330 Do. do. do.
- 331 Strongylus gigas from dog, P. H.
- 331—1 Do. do. do. pre-  
sented by Horner. 1846.

A.			
332	Two large strongyli from dog,	P. H.	
333	Small alligator,	Horner.	
333—1	Alligator a year old,	do.	
334	Chameleon,	P. H.	
334—1	Do.	Horner.	
334—2	Do.	do.	1828.
335	Winged lizard,	P. H.	
336	Salamander, aquatic,	do.	
337	Do. do.	do.	
338	Do. do. male, presented by Dr. Tidyman,	do.	1828.
338—1	Syren lacerta, from S. C.,	Horner.	1846.
339	Sloth ( <i>Bradypus tridactylus</i> ), from Dr. G. R. B. Horner,	do.	1833.
340	Termites,	do.	"
341	Do.	do.	"
342	Scorpion,	do.	"
343	Do. from Dr. Gibson,	do.	1837.
344	Do. do.	do.	"
345	Do. do.	do.	"
346	Do. do.	do.	"
347	Do. do.	do.	"
348	Do. do.	do.	"
349	Do. do.	do.	"
350	Do. do.	do.	"
351	Do. do.	do.	"
352	Do. do.	do.	"
353	Do. do.	do.	"
354	Tarantula, do.	do.	"
355	Centipede, do.	do.	"
356	Lizard,	do.	"
357	Mole cricket ( <i>Gryllus talpa</i> ),	do.	"
358	Snake, presented by Dr. A. D. Chaloner,	do.	1838.
359	Do. do.	do.	"
360	Do. do. Dr. G. R. B. Horner,	do.	"
	U. S. N.	do.	"
361	Do. do.	do.	"
362	Do. do.	do.	"
363	Do. do.	do.	"
364	Fruit of bread tree,	do.	1844.
365	Pupa of insect,	do.	1846.
366	<i>Crotalus horridus</i> ,	do.	"



*Series marked B. consisting of dried preparations.*

## CORROSIONS, BONES, INJECTIONS, ETC.

B.					
1	Lymphatics of head, (Italian)			Wistar.	
2	Thoracic duct,	do.		do.	
3	Do.			do.	
4	Do.		do.	do.	
5	Do.		and lymphatics of pelvis, (Italian)	do.	
6	Lymphatics, superficial, of thorax and the upper extremity, (Italian)			do.	
7	Lymphatics, superficial, of upper extremity, (Italian)			do.	
8	Do.	deep,	do.	do.	do.
9	Do.	superficial, of lower extremity, (Italian)		do.	
10	Do.	do.	do.	do.	do.
11	Do.	do.	do.	do.	do.
11—1	Do.	do.	do.	do.	P. H.
12	Do.	do.	do.	on a board,	
				Wistar.	
13	Do.	do.	do.	and thoracic duct,	do.
14	Do.	do.	do.	do.	do.
15	Do.	do.	do.		do.
16	Do.	do.	do.		do.
17	Do.	deep seated,	do.	(Italian)	do.
18	Do.	internal mammary,	do.		do.
19	Lacteals of turtle,				do.
19—1	Do.	of alligator,		Horner.	1827.
19—2	Do.	do.		do.	"
20	Do.	human adult, (Italian)		Wistar.	
21	Do.	infant,		do.	
22	Lymphatics of gall bladder,			do.	
23	Lymphatic gland injected,			do.	
24	Quicksilver injection of hand,			do.	
24—1	Female mamma injected with mercury (see 139, transfer)			do.	1818.
25	Dried preparation of cutis with marks,			do.	
26	Do.	do.	do.	do.	
27	Do.	do.	do.	do.	
28	Do.	do.	do.	do.	



<i>B.</i>				
28—1	Dried piece of cutis with marks,		Horner.	1833.
28—2	Do. do. do.		do.	"
28—3	Do. do. do.		do.	"
29	Do. preparation of cutis with marks,		Wistar.	
29—1	Cutis, arteries of,		Horner.	1827.
30	Adult heart, injected with wax,		Wistar.	
31	Do. do. do.		do.	
32	Do. do. do.		do.	
33	Do. do. do.		do.	
34	Do. do. do.		do.	
35	Do. do. do.		do.	
36	Do. do. do.		do.	
37	Do. do. do.		do.	
38	Do. do. do.		do.	
39	Do. do. do.		do.	
40	Do. do. do.		do.	
40—1	Do. and one infant in glass, do.		P. H.	
40—2	Do. do. do.		do.	
40—3	Do. do. do.		do.	
40—4	Adult heart injected,		Horner.	1830.
41	Aorta, section of, do.		Wistar.	
41—1	Aorta, infant, minutely injected,		Horner.	1827.
42	Heart and lungs, do. in wax,		Wistar.	
43	Infantile heart, do.		do.	
44	Do. do.		do.	
45	Do. do.		do.	
46	Do. do.		do.	
47	Do. do.		do.	
47—1	Infant heart, do.		do.	1818.
48	Aorta descendens, do.		do.	
48—1	Aorta with section of thorax,		Horner.	1830.
48—2	Do. do.		do.	"
48—3	Do. do.		do.	"
48—4	Do. do.		do.	"
49	Heart of adult, injected with wax, and cor- roded, Wistar.			
50	Do. do. do.		do.	
51	Do. do. do.		do.	
52	Do. do. do.		do.	
53	Do. do. do.		do.	
54	Do. do. do.		do.	
55	Do. do. do.		do.	
56	Do. do. do.		P. H.	
57	Do. do. do.		do.	
58	Do. and lungs of sheep, do. do.		Wistar.	
59	Diseased lung injected and dried,		P. H.	

- B.*
- 60 Arteria innominata sending off three trunks, W.
- 60—1 Right subclavian, arising from descending  
aorta, do.
- 60—2 Anomaly of arteria innominata, Horner. 1830.
- 60—3 Right subclavian from descending aorta, do. 1833.
- 61 Fœtal heart, injected with wax, Wistar.
- 61—1 Do. circulation, do.
- 61—2 Do. do. do.
- 62 Fœtal circulation, do.
- 63 Do. do. Physick.
- 64 Placenta injected with wax, Horner.
- 65 Do. do. Wistar.
- 65—1 Do. do. P. H.
- 65—2 Do. do. on board, Dr. James. 1830.
- 66 Larynx dried, Horner.
- 67 Do. do. Wistar.
- 68 Do. do. P. H.
- 69 Lung corroded after wax injection, Wistar.
- 70 Do. do. do.
- 71 Do. do. do.
- 71—1 Do. do. do.
- 72 Stomach, injected with wax, Horner.
- 72—1 Arteries of stomach, injected with wax, do. 1833.
- 73 Stomach, injected with wax, Wistar.
- 73—1 Do. do. Horner. 1825.
- 73—2 Stomach, section of, minutely injected, do. 1827.
- 73—3 Œsophagus, infant, do. do. “
- 73—4 Tongue and œsophagus, injected, do. 1830.
- 73—5 Œsophagus, do. do. “
- 73—6 Do. and stomach with duodenum, do. do. “
- 73—7 Stomach injected, do. “
- 74 Stomach, section of, injected with wax, do.
- 75 Pyloric orifice, do.
- 75—1 Cellular coat of small intestines, inflated,  
Dr. J. P. Hopkinson. 1834.
- 76 Intestines, veins of injected, Horner.
- 77 Do. do. do.
- 78 Do. do. do.
- 78—1 Small intestines, section of, minutely injected, do. 1827.
- 78—2 Mesentery, infant, do. do. “
- 78—3 Section of small intestinal arteries, injected, do. 1830.
- 78—4 Do. do. do. do. “
- 78—5 Peritoneum of a section of small intestine  
with the veins injected, do. “
- 79 Valve of colon, do.
- 80 Do. do. Wistar.

<i>B.</i>		
80—1	Caput coli, minutely injected,	Horner. 1827.
80—2	Rectum, do.	do. “
80—3	Section of colic veins, injected,	do. 1830.
80—4	Do. do.	do. “
80—5	Caput coli, arteries injected,	do. “
80—6	Rectum, do.	do. “
81	Diverticulum of small intestine,	do.
81—1		
81—2	Diverticulum of small intestine,	do. “
82	Gall bladder,	Wistar.
83	Do. do.	do.
83—1	Cystic duct, spiral valve of,	Horner. 1827.
83—2	Gall bladder,	do. 1830.
84	Vena portarum, on board,	do.
84—1	Do. do. do. by Gov. John Hubbard, M. D., of Maine,	“
84—2	Mesenteric arteries,	1844.
84—3	Do. do.	do. 1849.
85	Liver, corrosion of, wax injection,	Wistar.
86	Gall bladder, do. do.	do.
87	Liver, corrosion of, do.	do.
88	Do. do. do.	do.
88—1	Liver, infant, minutely injected, four sec- tions,	Horner. 1827.
88—2	Do. do. one,	do. “
88—3	Spleen, section of, and also of liver, do.	do. “
89	Pancreas, duct of,	Wistar.
90	Human spleen, and calf spleen, corrosion of, in one glass case,	do.
91	Ten corrosions of kidneys, in glass case,	do.
91—1	Vessels of kidneys on a board,	Horner.
91—2	Kidneys on a board, prepared by Gov. John Hubbard, M. D., of Maine,	do. 1830.
92	Kidney, corroded,	Wistar.
93	Do. do.	do.
94	Do. do.	do.
95	Do. do.	do.
96	Do. do.	do.
97	Do. do.	do.
98	Do. do.	do.
99	Do. do.	do.
100	Do. do.	do.
101	Do. do.	do.
102	Do. do.	do.
103	Do. do.	do.
104	Do. do.	do.

<i>B.</i>			
105	Kidney, corroded,	Wistar.	
106	Do. do.	do.	
107	Do. do.	do.	
108	Do. do.	do.	
109	Do. do.	do.	
110	Do. do.	do.	
111	Do. do.	do.	
112	Do. do.	do.	
112—1	Kidney, infant, ten sections of, minutely injected, Horner.		1827.
112—2	Do. four do.	on glass plate, do.	"
112—3	Do. four do.	do. do.	"
112—4	Glass plate, holding sections of,		
	a. lymphatic gland, infant, minutely in-		
	jected,		
	b. kidney,	do.	
	c. salivary gland,	do.	
	d. spleen,	do.	
	e. muscle,	do.	
	f. liver,	do.	
	g. tongue,	do.	
	h. lung,	do.	
	i. small intestine,	do.	
112—5	Salivary glands, infant, on glass, minutely injected,	do.	"
112—6	Thyroid gland, sections	do. do. do.	"
112—7	Lymphatic, do.	do. do. do.	"
112—8	Bottle containing sections (infant) minutely injected, of spleen, tongue, brain, lung, &c.		do. "
112—9	Kidney, minutely injected section of,	do.	1832.
113	Urinary bladder filled with wax,	Wistar.	
114			
115	Do. inflated,	do.	
116	Penis, corroded, wax injection,	do.	
117	Do. injected, preparation of,	do.	
118	Do. do.	do.	
119	Do. with bladder,	Horner.	
119—1	Do. with section of bladder,	P. H.	
119—2	Do. and bladder, prepared by inflation,		
	&c.,	Horner.	1830.
120	Do. model,	Wistar.	
121	Do.	do.	
122	Do.	do.	
123	Do.	do.	
124	Do.	do.	
125	Do.	do.	

<i>B.</i>			
126	Penis,	Wistar.	
127	Do.	do.	
128	Do.	do.	
129	Do.	do.	
129—1	Do. injected by Dr. John P. Hopkinson.	1832.	
130	Testicle, injected with quicksilver,	Wistar.	
131	Do. do.	do.	
132	Do. do.	do.	
133	Do. do.	do.	
134	Do. do.	do.	
135	Do. do.	do.	
136	Do. do.	Horner.	
136—1	Quicksilver injection of testis,	do.	1838.
137	Testicle, injected with quicksilver,	do.	
137—1	Do. injected and fixed on a board,	do.	1830.
137—2	Do. do.	do.	"
137—3	Vesiculæ seminales, injected with mercury,	do.	"
137—4	Varicose testicle, injected, by Dr. J. P. Hopkinson.	1832.	
138	Testicle, injected with quicksilver,	do.	
138—1	Enlarged drawing of testis,	Wistar.	
138—2	Do. do. by Dr. Laforest.		
138—3	Vesiculæ seminales, injected with quicksilver,	do.	1827.
138—4	Do. do. do. mercury,		
	Dr. John P. Hopkinson.	1832.	
138—5	Epididymis do. mercury,	Goddard.	1836.
139	Mamma, female,* do. quicksilver,	Wistar.	
139—1	Clitoris, injected, Dr. John P. Hopkinson.	1832.	
140	Gravid uterus,	Wistar.	
141	Female genital organs of infant,	do.	
142	Do. do.	do.	
142—1	Do. do. adult,	Horner.	1830.
143	Fœtal portion of placenta of cow, injected,		
	and corroded,	do.	
143—1	Do. do. and maternal, dried,	do.	
144	Schneiderian membrane of sheep, injected,	do.	
145	Do. do. do.	do.	
145—1			
145—2	Schneiderian membrane, minutely injected,	do.	1827.
146	Cranium, fœtal, enlarged by hydrocephalus,		
	Wistar.		
147	Do. do.	Horner.	
147—1	Do. do.	do.	1845.
147—2	Skeleton of a hemicephalous fœtus,	Leidy.	1849.

\* B. 139, Transferred to 24-1.

<i>B.</i>			
147—3	Cranium; adult of 30 years; hydrocephalus, presented by	Mr. Charles A. Riddick.	1849.
148	Adult arterial injection,	Wistar.	
149	Do. do.	do.	
150	Do. do. and venous,	do.	
150—1	Do. bust of	do. P. H.	
151	Boy with anomaly in ascending cava, pre- pared by Dr. Horner,	Wistar.	1813.
152	Do. injected and prepared by Dr. Hodge,	H.	1817.
153	Small infant injected,	Wistar.	
154	Fœtus do.	do.	
155	Arterial injection of head,	do.	
156	Do. do.	do.	
157	Do. do.	Horner.	
158	Do. do.	Wistar.	
159	Do. do.	do.	
160	Do. do.	do.	
161	Do. do.	do.	
161—1	Primitive carotid, serpentine curvature of,	H.	1830.
161—2	Internal carotid,	do.	“
161—3	Diagram of internal maxillary artery,	do.	“
161—4	Inferior maxillary artery,	do.	1844.
162	Arterial injection of pelvis,	Wistar.	
163	Do. do.	do.	
164	Do. do.	P. H.	
164—1	Do. do.	do.	
164—2	Do. do.	do.	
164—3	Pelvis, (half) arterial injection of,	do.	
164—4	Pelvis, arterial injection of, by Dr. J. P. Hopkinson.		1832.
165	Arterial injection of pelvis,	Wistar.	
166	Aorta, abdominal injection of,	do.	
167	Do. do.	do.	
167—1	Thoracic aorta,	Horner.	1844.
167—2	Thoracic and abdominal aorta,	do.	“
168	Vertebral artery,	do.	
169	Do. do.	do.	
169—1	Willis, circle of, on board,	do.	1827.
169—2	Do. do.	do.	“
169—3	Tongue, arteries of,	do.	“
169—4	Tongue, infant, transverse section minutely injected, and fixed on glass plate,	do.	“
169—5	Do. do. do.	do.	“
169—6	Circle of Willis on a board,	do.	“
169—7	Musculus triceps suræ, minute injection of,	do.	1832.
169—8	Do. do. do.	do.	“
169—9	Do. semimembranosus, do.	do.	“



<i>B.</i>			
169-10	Musculus semitendinosus, minute injection of,	H.	1832.
169-11	Do.      deltoides,	do.	do.    “
169-12	Do.      do.	do.	do.    “
169-13	Do.      pectoralis major,	do.	do.    “
169-14	Do.      biceps flexor cruris,	do.	do.    “
169-15	Do.      biceps flexor cubiti,	do.	do.    “
169-16	Do.      do.	do.	do.    “
169-17	Do.      gracilis,	do.	do.    “
169-18	to 169-26 Muscles dried, prepared by Dr. Leidy,	do.	1846.
170	Ophthalmic artery,	Wistar.	
170-1	Eyelids and lachrymal gland,	do.    Horner.	1832.
170-2	Cutis of infant face, minutely injected,	do.	1834.
170-3	Ear      do.	do.	do.    “
170-4	Nerves of eye ball, by	Dr. Joseph Leidy.	1842.
170-5	Sympathetic of neck,	do.	1845.
170-6	Do.      thorax,	do.	do.    “
171	Arterial injection of lower extremity,	Wistar.	
172	Do.      do.	do.	
173	Do.      popliteal,	P. H.	
174	Do.      lower extremity,	Wistar.	
175	Do.      do.	do.	
176	Do.      foot,	Horner.	
177	Do.      lower extremity,	Wistar.	
178	Do.      foot,	P. H.	
179	Do.      lower extremity,	Wistar.	
180	Do.      do.	do.	
181	Do.      do.	do.	
182	Do.      do.	do.	
182-1	Lower extremities, arteries of,	Horner.	1830.
182-2	Do.      do.	do.	do.    “
183	Arterial injection, upper extremity,	Wistar.	
183-1	Upper extremity with thorax, arteries of,	H.	1830.
183-2	Do.      do.	do.	do.    “
183-3	Upper extremity, arteries of,	do.	do.    “
183-4	Do.      do.	do.	do.    “
183-5	Do.      do.	do.	do.    “
183-6	Arteries of upper extremity, by	Dr. Leidy.	1845.
183-7	Do.      do.	Horner.	1849.
183-8	Do.      and veins of    do.	do.	do.    “
183-9	Do.      of lower extremity,	do.	do.    “
183-10	Do.      do.	do.	do.    “
183-11	Do.      of the leg.		
183-12	Two preparations do. of thigh.		
183-13	Do.      do. of arm.		
184	Arterial injection, upper extremity,	Wistar.	

<i>B.</i>		
185	Arterial injection, upper extremity,	Wistar.
186	Do. do.	do.
187	Do. do.	do.
188	Do. do.	do.
188—1	Do. do.	do.
188—2	Do. do.	do.
189	Do. do.	do.
190	Do. hand,	Horner.
191	Do. upper extremity,	Wistar.
192	Do. do.	do.
193	Do. do.	do.
194	Do. do.	do.
194—1	Arterial injection of upper extremity, in which the brachial artery had been taken up at the elbow joint during life,	P. H.
194—2	Spine of infant, minutely injected,	Horner. 1827.
194—3	Thorax, infant, side of, do.	do. “
194—4	Do. do. do.	do. “
194—5	Venous sinuses of the sacrum,	do. 1842.
195	Injection of heart and upper extremity,	Wistar.
195—1	Internal mammary artery,	P. H.
195—2	Mammary artery, internal,	Horner. 1827.
195—3	Do. do.	do. 1830.
195—4	Do. do.	do. “
195—5	Do. do.	do. “
195—6	Knee joint,	do. 1842.
195—7	Hip do.	do. “
195—8	Internal mammary artery,	do. 1844.

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## BONES.

<i>B.</i>		
196	Artificial skeleton of a Cherokee Indian, who fought under General Jackson, at the battle of the Horse Shoe, disinterred in 1822, near Warrenton, in Virginia, where he died, by Dr. Horner,	Horner.
196—1	Skeleton of North American Indian, disarticulated, presented by Dr. Perrin Barker.	1825.
196—2	Artificial skeleton from Paris,	1832.
196—3	Natural skeleton of a man who had lost the use of his lower extremities from rheumatism,	do. “

*B.*

- 196—4 Artificial skeleton of a Malay, mounted by Lukens. 1844.  
 197 Natural adult skeleton, Wistar.  
 197—1 Periosteum of upper extremity in infant,  
     Do. minute injection of, Horner. 1830.  
 197—2 Do. lower do. do. do. “  
 197—3 Periosteum and muscles in lower extremity  
     of infant, a minute injection of, do. “  
 197—4 Tendo Achillis of a sheep, re-united after  
     artificial division, by Dr. R. L. Fearn, do. 1827.  
 198 Artificial skeleton from Paris, from  
     Dr. J. S. Dorsey. 1819.  
 198—1 Do. do. do.  
 198—2 Do. do. female do.  
 198—3 Natural skeleton of an English girl, Horner. 1830.  
 199 Natural skeleton of fœtus, nine months, pre-  
     pared by Dr. William A. Irvine, do.  
 200 Do. do. seven months, Wistar.  
 201 Do. do. five months, Horner.  
 201—1 Do. do. six months, P. H.  
 201—2 Do. do. about nine weeks, 1844.  
 201—3 Do. do. do. ten do. “  
 201—4 Do. do. do. twelve do. “  
 201—5 Do. do. do. fourteen do. “  
 201—6 Do. do. four months, “  
 201—7 Do. do. five do. “  
 201—8 Do. do. six do. “  
 201—9 Do. do. seven do. “  
 201—10 Do. do. eight do. “  
 201—11 Do. do. eight and a half do. “  
 202 Bones of hand on a board, Horner.  
 203 Do. do. do. do.  
 204 Do. foot do. do.  
 205 Do. do. do. do.  
 205—1 Box showing texture of bones.  
 205—2 Do. containing young bones.  
 205—3 Do. do. bones of young skeleton.  
 205—4 Do. do. do. spine.  
 205—5 Do. do. do. pelvis.  
 205—6 Do. do. do. thorax.  
 205—7 Do. do. do. head.  
 205—8 Do. do. do. do.  
 205—9 Do. do. do. do.  
 205—10 Do. do. do. do.  
 205—11 Do. do. do. do.  
 205—12 Do. do. do. lower jaws.  
 205—13 Do. do. do. teeth.

<i>B.</i>					
205-14	Box containing bones of shoulder.				
205-15	Do.	do.	upper extremities.		
205-16	Do.	do.	hands.		
205-17	Do.	do.	lower extremities.		
205-18	Do.	do.	feet.		
205-19	Cranium, separated,				1842.
205-20	Do.	do.			"
205-21	Do.	do.			1845.
205-22	Do.	do.			"
205-23	Do.	do.			"
205-24	Box with thirty-six microscopical sections, of bones, &c., from Powel & Leland, Lon- don,				1846.
205-25	Box with thirty microscopical sections of bone, from Paris,				"
205-26	Box with thirty-six do. teeth of various an- imals,				"
205-27	Section of bone from the "os hominis in- nominatum fossile," found near Natchez, Miss., 60 feet below the surface, by Dr. M. W. Dickeson. Prepared by Joseph Leidy. And, a section of a vertebra of <i>Basilosaurus</i> <i>cetoides</i> . Prepared by				1847. do. "
205-28	Separated fœtal skeleton, from four to four and a half months. Paris,				1848.
205-29	Do.	do.	five to six	do. do.	"
205-30	Do.	do.	seven	do. do.	"
205-31	Do.	do.	eight	do. do.	"
205-32	Do.	do.	nine	do. do.	"
205-33	Seventy-four microscopical sections of teeth and bones of various animals,				1849.
206	Cranium, adult,				Wistar.
206-1	Cranium of adult,				1840.
206-2	Do.	do.			"
207	Cranium, adult,				Horner.
208	Do.				do.
209	Do.				do.
210	Do.				do.
211	Do.				Wistar.
212	Do.				Horner.
213	Do.				do.
214	Do.				do.
214-1	Adult head, sutures ossified, mounted by Flohr.				"
214-2	Do.	separated and mounted by			do. "
214-3	Diploic sinuses of the cranium, mounted. Paris,				1848.

<i>B.</i>			
214—4	Cranium phrenologically marked, according to system of Gall.	Paris,	1848.
214—5	Sectional cranium,	do.	"
215	Cranium, adult,	Horner.	
215—1	Cranium of infant,	do.	
215—2	Do. do.	do.	
215—3	Do. do.	do.	
215—4	Do. do.	do.	
215—5	Do. do.	do.	
215—6	French cranium, separated.	Presented by Dr. Samuel F. Ralston,	1829.
215—7	Maxillæ of two years, with teeth exposed.	Paris,	1848.
215—8	Do. five do. do.	do.	"
215—9	Do. six do. do.	do.	"
215—10	Do. eight do. do.	do.	"
215—11	Do. nine do. do.	do.	"
215—12	Do. fourteen do. do.	do.	"
215—13	Permanent teeth, adult; mounted,	do.	"
216	Cranium of adult,	Horner.	
217	Do. do.	do.	
217—1	Cranium of Indian from south-west coast of Peru, presented by Dr. Cornick, U. S. N.,*	to Dr. Physick.	
217—2	Do.	do.	do.
217—3	Do.	do.	do.
217—4	Do.	do.	do.
217—5	Do.	do.	do.
217—6	Do.	do.	do.
217—7	Do.	do.	do.
217—8	Do.	do.	do.
217—9	Do.	do.	do.
217—10	Do.	do.	do.
217—11	Cranium of North American Indian, from Salt Petre Cave, Golconda, Ky., from	Dr. Harlan.	1826.
217—12	Cranium of Hindoo,	do.	"
217—13	Do. New Zealander, presented by	Dr. T. Harris.	1827.
217—14	Do. Chinese, (young)	Horner.	"
217—15	Peruvian cranium, from Temple of Sun, presented by Commodore Hull,		1828.
217—15½	Hair from skull of 217—15,		"
217—16	Chinese cranium, from Dr. Js. Bradford,	do.	1830.

\* B. 217-1 exchanged with Dr. R. Harlan, for B. 217-12.

*B.*

- 217-17 Cranium of Henry Carr, kidnapper, &c. Horner. 1830.  
 217-18 Head of a New Zealander, by Dr. Malone,  
       U. S. N., do. "  
 217-19 Bones of head, tibia, and humerus, from an  
       ancient Indian Tumulus in Circleville,  
       Ohio. Presented by Dr. Peter K. Hull, 1838.  
 217-20 Chippewa Indian's skull. Shot on Fourth  
       lake, near Madison, Wisconsin, in Black  
       Hawk war, 1832. Presented by W. T.  
       Sterling, Esq., of Madison, 1840.  
 217-21 Head of Powhushajo, a Seminole warrior,  
       shot in Florida during the late war.  
       Presented by Dr. Joseph Walker, U. S. A., 1841.  
 217-22 Hindostan skull, presented by Dr. James  
       Mease, 1843.  
 218 Model of sinuses of brain, Wistar.  
 218-1 Do. do. dura mater, Prof. Mütter. 1847.  
 219 Processes of dura mater, Wistar.  
 220 Do. do. do.  
 221 Do. do. do.  
 221-1 Do. do. Horner. 1830.  
 222 Female pelvis, do.  
 222-1 Do. do. Dr. J. P. Hopkinson. 1836.  
 222-2 Model, in plaster; of pelvis with dislocation  
       of head of os femoris. Paris, 1848.  
 222-3 Ligaments of leg, (two preparations).  
 222-4 Do. lower extremity, injected by  
       Dr. Horner, (three preparations).  
 222-5 Ligaments of upper extremity, (two pre-  
       parations).  
       Do. do. do. injected by  
       Dr. Horner, (three preparations).  
 222-6 Ligaments of spinal column, (two prepara-  
       tions).  
 222-7 Muscles of upper extremity, injected by Dr.  
       Horner.  
 222-8 Do. of lower do. do. do.  
 222-9 Intercostal and abdominal muscles, (two  
       preparations).  
 222-10 Intercostal muscles, (two preparations), in-  
       jected by Dr. Horner.  
 223 Female pelvis, natural ligaments, Wistar.  
 223-1 Do. do. do. Horner. 1830.  
 223-2 Do. do. do. do. "  
 223-3 Male do. right side do. do. "



<i>B.</i>			
223—4	Thorax, natural skeleton of H. Carr, (217—17)	H.	1830.
223—5	Do. do.	do.	"
223—6	Deformed sternum,	do.	1835
223—7	Sternum and costal cartilages,	do.	184
223—8	Do. do.	do.	"
223—9	Thorax, skeleton of, with diaphragm.		
223—10	Do. do.		
224	Female pelvis,	Wistar.	
225	Do. do.	do.	
226	Male pelvis,	do.	
226—1	Male pelvis with obliq. ext. abd. and fascia lata. Hernial preparation.		
227	Female pelvis,	do.	
228	Do. do. vertical section,	Horner.	
228—1	Do. do. do.	do.	
229	Do. do. very large,	Wistar.	
230	Do. do. deformed,	do.	
231	Do. do. very contracted,	do.	
231—1	Deformed pelvis from a female aged 32, who died in one of the Paris hospitals. Obtained in Paris, by	Dr. Leidy.	
232	Fœtal cranium,	Wistar.	
233	Do. do.	do.	
234	Do. do.	Horner.	
235	Do. do.	do.	
236	Do. do.	do.	
237	Do. do.	do.	
238	Do. do.	do.	
239	Do. section,	do.	
240	Do. do.	do.	
241	Do. do.	do.	
242	Do. do.	do.	

## DISEASED BONES.

<i>B.</i>			
243	Os humeri with spines growing from it,	Wistar.	
244	Do.	do.	
245	Ulna	do.	
246	Do.	do.	
247	Os femoris	do.	
247—1	Do.	do.	

<i>B.</i>			
248	Os femoris with spines growing from it,	Wistar.	
249	Tibia	do.	do.
250	Do.	do.	do.
251	Fibula	do.	do.
252	Do.	do.	do.
(All the above belonged to one set or skeleton.)			
253	Os femoris with a spine on it,	Horner.	
254	Os innominatum with spine on venter of ilium,	do.	
254—1	Osteo-malaxie of pelvis, from a stout black man,	do.	1844.
254—2	Do. scapula from same,	do.	"
255	Os innominatum with tuber on venter of ilium,	do.	
256	Os femoris unusually thin and brittle,	Wistar.	
256—1	Do.	do.	do.
257	Do.	do.	do.
257—1	Do.	do.	do.
258	Do. very heavy and ivory like,	do.	
258—1	Do.	do.	do.
259	Tibia	do.	do.
259—1	Do.	do.	do.
260	Do. distorted, (Cyrtois Rachia)	P. H.	
261	Fibula	do.	do.
262	Do.	do.	Wistar.
263	Ulna	do.	do.
264	Caries of cranium,	Horner.	
264—1	Do. of antrum Highmor., by	Dr. Harlan.	1826.
265	Caries of cranium,	Wistar.	
265—1	Fracture of os nasi,	Horner.	1834.
265—2	Do.	do.	"
266	Caries of humerus, commencing,	Wistar.	
267	Do.	do.	do.
267—1	Do.	do.	do.
268	Do.	do.	do.
269	Do. femur,	do.	do.
270	Do.	do.	do.
270—1	Do.	do.	do.
271	Do.	do.	do.
271—1	Do.	do.	do.
272	Do.	do.	do.
272—1	Do.	do.	do.
273	Do.	do.	do.
274	Do. tibia,	do.	do.
275	Do.	do.	do.
276	Do.	do.	do.

<i>B.</i>		
276—1	Exfoliations from tibia,	Horner. 1830.
277	Caries of fibula,	Wistar.
278	Do. do.	do.
279	Do. do.	do.
280	Do. do.	do.
281	Do. do.	do.
281—1	Do. do.	do.
281—2	Caries of ankle and tarsus,	Horner. 1848.
281—3	Fracture of os femoris,	do. 1849.
281—4	Dislocation of cervical vertebræ, (from a negro man, who was thrown down stairs and died instantly). Presented by Leidy.	1848.
281—5	Os femoris with exostosis. Presented by F. C. Pitcher, Marion Co., Ala.,	1849.
281—6	Tibia and fibula ; exostosis, do.	"
281—7	Os humeri ; exostosis, do.	"
282		
283	Caries of spine,	Dr. Physick.
283—1	Do. do. presented by Dr. R. M. Dun- bar,	Horner. 1830.
284	Fracture of vertebra,	Dr. Coates.
285	Caries of spine,	Wistar.
286	Do. do.	Horner.
286—1	Do. do.	do. 1835.
286—2	Do. do.	do. 1844.
287	Necrosis of os femoris,	Wistar.
287—1	Do. do.	do.
287—2	Section of thigh bone with two buck-shot in it,	Horner. "
287—3	Trochanter minor, diseased,	do. "
288	Necrosis of tibia,	Dr. Physick.
288—1	Do. do.	Horner. 1838.
288—2	Do. do.	do. 1842.
288—3	Chronic inflammation of tibia,	do. 1844.
288—4	Necrosis of os femoris, removed from a boy by Dr. Horner,	do. 1846.
288—5	Do. tibia of a horse, presented by Dr. P. J. Carrington,	do. "
289	Exfoliation at end of tibia,	Wistar.
290	Do. do.	do.
291		
292	Exfoliation at end of tibia,	do.
293	Do. fibula,	do.
294	Do. do.	do.
295	Osseous granulations from tibia,	do.
295—1	Do. do.	do.

## B.

- 296 Depression of cranium, Horner.
- 296—1 Do. do. do.
- 296—2 Old sabre cut on the head,\* do.
- 296—3 Six fractured ribs on a board, Wistar.
- 296—4 Rib imperfectly calcified, Horner.
- 296—5 Clavicle broken, and united, Wistar.
- 296—6 Os humeri of turkey broken, do. do.
- 296—7 Cranium of a negro killed by a stab in the forehead, presented by Dr. L. G. Wynn, Horner. 1830.
- 296—8 Fracture of cranium, do. 1834.
- 296—9 Do. clavicle, do. 1844.
- 296—10 Do. neck of lower jaw, in wax, do. "
- 297 Humerus fractured, and united, do.
- 297—1 Arm of an Indian, Mac-fee-manee, broken by a musket ball at the distance of thirty yards. Amputated and presented by Dr. Perrin Barker. 1838.
- 297—2 Os humeri, tried in first experiment by Dr. Physick for uniting fracture by seton,† Deposited by Mrs. Randolph, his daughter, 1850.
- 298 Ulna fractured, and united, Wistar.
- 299 Radius fractured, do. do.
- 300 Do. do. do. Horner.
- 301 Ununited fracture of neck of os femoris, P. H.
- 301—1 Scaphoides of wrist fractured, Horner. 1826.
- 302 } One preparation of ununited fracture of }  
neck of os femoris, of twenty days' }  
303 } standing, } P. H.
- 304
- 304—1 United fracture of neck of os femoris, Horner. 1833.
- 304—2 Do. do. plaster cast, by Prof. Reuben D. Mussey. 1836.
- 305 One preparation of ununited fracture of neck of os femoris, of twenty days' standing, P. H.
- 306
- 307 Do. do. Wistar.
- 308 Os femoris fractured, Horner.
- 308—1 Fracture united, of os femoris, from ancient catacombs of Paris. Presented by Dr. Richard Harlan. 1842.
- 308—2 Do. tibia do. do. "
- 308—3 Os femoris from an ancient Columbarium at

\* See Path. Anat., p. 362, for case.

† See Dorsey's Elements of Surgery, for case.

<i>B.</i>		the Villa Doria Pamphili, Rome. Brought from there and presented by Mrs. H. H. Smith.	1840.
309	Os femoris fractured,	Wistar.	
309—1	Do. do.	do.	
310	Do. do.	do.	
311	Do. do.	do.	
312	Do. amputated, rounded at the end,	do.	
313	Do. with artificial joint, from gun-shot fracture, taken from a British soldier at Bufalo, after amputation, 1814, by Dr. Horner,	H.	
313—1	Upper extremity of os femoris, taken from a seaman in Walnut Street Prison, who was wounded in the hip on board the Wasp, 1814,*	do.	1830.
313—2	Os femoris, curvature of,	do.	1846.
313—3	Do. do. same individual,	do.	"
314 }	One preparation, fractured tibia,	Wistar.	
315 }			
316	Do. do.	do.	
317	Do. do.	do.	
318	Do. do.	do.	
319 }	Do. do.	do.	
320 }			
321	Fibula fractured,	do.	
322	Do. do.	do.	
323	Board, holding ankylosis of knee, of ankle, of wrist, and of tibio fibular articulation,	do.	
323—1	Ankylosis of knee, (prepared by Gov. John Hubbard, M. D.),		1830.
324	Ankylosis of tibia with fibula,	Wistar.	
325	Do. do. do.	do.	
326	Do. do. do.	do.	
327	Do. sternum with first rib,	do.	
328	Do. vertebræ of a horse,	do.	
329	Do. human lumbar vertebræ,	do.	
330	Do. sacrum and last vertebræ,	do.	
331	Do. do. do.	do.	
332	Do. of sacrum with innominatum,	Horner.	
333	Do. do. do.	do.	
333—1	Four specimens of ossification in larynx,	do.	
333—2	Larynx ossified. Pres. by Dr. Js. A. M'Crea.		1834.
334	Os innominatum got from Hussar sloop of war, sunk in the East River during the American Revolution,	P. II.	

\* See Path. Anat., p. 125, for dissection.

- B.  
 335 Board containing fourteen specimens of bone  
 from the battle-field of Waterloo, Horner. 1821.  
 335—1 Board, 1st column, bones from the battle-field  
 of Bridgewater, Canada,  
 by Dr. Samuel L. Howell.  
 2d do. bullets from Waterloo, Horner.  
 3d do. do. from patients in P. H.  
 3d do. temporal bone from the cata-  
 combs of Rome, supposed to be  
 1600 years old, presented by  
 Prof. R. E. Griffith. 1822.  
 336 Inflammation of periosteum of tibia of tur-  
 key, Physick.  
 336—1 Fracture of a turkey's leg, Horner. 1844.  
 337 Inflammation of articular extremities of os  
 femoris, Wistar.  
 338 Inflammation of articular extremities of  
 tibia, do.  
 339 Do. do. humerus, do.  
 340 Do. do. do. Horner.  
 341 Do. do. radius, do.  
 342 Hip disease in infant, on board, Wistar.  
 Do. adult, do. Horner.  
 343 Inflammation in acetabulum, Wistar.  
 344 Artificial acetabulum from dislocation, do.  
 345 Do. do. do. Horner.  
 346 Do. head of humerus from do. do.  
 347 Os humeri of dog, joint changed by fracture,  
 Prof. J. R. Coxé.  
 348 Exostosis of os femoris, P. H.  
 348—1 Large crista of bone, on linea aspera of os  
 femoris, as in the horse, Horner. "  
 348—2 Exostosis of the fibula, do.  
 349 Do. do. of sheep from fracture, Wistar.  
 349—1 Do. foot of an ass, Horner. "  
 349—2 Supernumerary metacarpal bone of colt, "  
 350 Spina ventosa of radius, do.  
 351 Deficient calcification in cranium of infant, do.  
 352 Scrofulous exostosis of vertebræ, do.  
 352—1 Abnormal conformation of sternum, do.  
 352—2 Club foot in adult, 1840.  
 352—3 Bones of leg of David Storms, of Hones-  
 dale, Wayne Co., operated on in Novem-  
 ber, 1845, by Dr. Horner, to correct a de-  
 formity from compound fracture; having  
 got nearly well he was seized with deep



## B.

- phlegmonous erysipelas of the limb, which reached his body, and he died from mortification of the part, in March, 1846,\* H. 1846.
- 352—4 Cast of leg before operation, of do. “
- 352—5 Do. after death, “

## CALCULI.

## B.

- 353 Glass bell, containing calculus of bladder,  
No. 1, P. H.
- 354 Glass bell, containing do. do. No. 2, do.
- 355 Do. containing calculi of bladder, marked Nos. 3, 4, 5, 6, do.  
No. 3 was extracted from John Brown, aged 23, weight 1 oz. 3ii. 8 gr.—operation performed by Dr. Physick, November 23d, 1811, in less than three minutes. do.  
No. 4.—Extracted by Dr. Physick, and given to Hospital. do.  
No. 5.—Taken from John Felt. do.  
No. 6.—Extracted, July 22d, 1818, by Dr. Parrish, in less than two minutes, from Isabella Berry, aged nine years, weight 3iii. 2 gr. do.
- 356 Glass bell, containing calculi of bladder, marked 7, 8a 8b, P. H.  
Extracted November 17th, 1810, from George Wall, by Dr. Physick, weight 1 oz. 3 3 10 gr. do.
- 357 Glass bell, containing calculus of bladder, marked No. 9, P. H.  
Taken from patient named John Shaw, after death.
- 358 Glass bell, containing calculi of bladder, marked Nos. 10, 11, P. H.  
No. 10, taken from  
No. 11, taken from bladder of rat, by J. Bishop.

\* See A. 291-3.

B.

- 358—1 Vesical calculus,  $\text{zii } \frac{10}{60}$ , from Morehouse, H. 1838.  
 358—2 Do. from a rat, do. “  
 358—3 Calculous concretions from fundus of bladder. See Am. Jour. Med. Sc., vol. xi, p. 27. Dr. I. Hays. “  
 358—4 Vesical calculus from Dr. Gillespie, presented by Dr. Maurice Fitzgibbon. “  
 358—5 Glass bell, containing :  
     A. Calculus of fifteen years' duration in duct of left submaxillary gland, removed, May, 1842, by Dr. Hugh Campbell, of Uniontown, Penn., from \* \* \*, æt. 40 years.  
     B. Calculus from submaxillary gland. Removed from Mrs. \* \* \* in 1841, by Dr. Horner.  
     C. Calculus from integuments of forehead.  
     D. Calculus from tunica vaginalis testis of \* \* \* æt. 76, affected with double hydrocele. Operation by Dr. Horner, for Dr. Heber Chase, in 1839. About three quarts of serum in all. Horner. 1842.  
 358—6 Vesical calculus,  $\text{zii } \frac{13}{60}$ , removed by Lithotripsy at three trials, by Dr. Horner, from Capt. \* \* \* of the Richmond and Norfolk steamer, do. “  
 358—7 Vesical calculus, weight  $\text{zvi}$ , removed by Lithotripsy, at various times, by Dr. Horner, from the Rev. \* \* \* of Raleigh, N. C., in 1840 and in 1841.  
     Not being permanently relieved, he was cut by a surgeon at home, and died in two or three days after. Only a small calculus was extracted, do. “  
 358—8 Seed-like calculi (one thousand or more), taken in Lithotomy, by Prof. P. S. Physick from the bladder of the late Chief Justice Marshall, Oct. 13, 1831.  
 358—9 Vesical calculus, removed by Dr. Horner, by Lithotripsy, in 1845, do. 1846.  
 359 Glass bell, containing calculi, Nos. 12, 13, W. No. 12. Salivary from sublingual duct of a horse.  
     No. 13. Unknown.  
 359—1 Calculus taken from urinary bladder of a patient at Alms House, after death, Horner. 1830.

- B.*
- 359—2 Calculus discharged per anum from a horse,  
presented by R. Maris, 1829.
- 359—3 Calculus found in uterus of cow, by Prof. James. 1830.
- 359—4 Fragments of urinary calculus. Lithotri-  
(Civiale's instrument,) performed by Dr.  
Randolph, September, 1832.
- 359—5 Do. do. Mrs. D\*\*\*, Nov. 1832,  
to Feb. 1833.
- 359—6 Do. do. (phos. lime with uric  
acid.) Mrs. M. H\*\*\*, March, 1833. Ope-  
ration, with Jacobson's instrument; end-  
ed in 2 weeks.
- 359—7 Do. do. Dr. C\*\*\*, May to June,  
1833.
- 359—8 Do. do. (phos. lime with uric  
acid), from Mr. F. G\*\*\*, aged 64. Litho-  
trity with Civile's instrument.
- 359—9 Do. do. Mr. J\*\*\*, aged 65. Oct.  
1833, with Jacobson's instrument. Died  
July, 1834, from cancer of rectum.
- 359—10 Do. do. Mr. David H\*\*\*, aged  
70. Oct. to Dec. 1834. Cured in 4  
operations with Jacobson's instrument.
- 359—11 Do. do. Capt. H. L\*\*\*, 60 years.  
Lithotripsy by brise-pierre articulé, Nov.  
1834, to Jan. 1835, 5 operations.
- 359—12 Do. do. Dr. F\*\*\*, 70 years. Li-  
thotripsy, Dec. 1834.
- 359—13 Do. do. W. A\*\*\*, 32 years. Li-  
thotripsy, Nov. 1836. Two operations  
with instrument of Jacobson.
- 359—14 Do. do. W. R\*\*\*, 62 years. May  
to July, 1836.
- 359—15 Do. do. (uric acid), Dr. S. T\*\*\*,  
36 years, paralytic. Lithotripsy, 8 or  
10 operations by instrument of Jacob-  
son, in Pennsylvania Hospital.
- 359—16 Do. do. R. H\*\*\*, May, 1837.  
Two operations by Jacobson's instru-  
ment.
- 359—17 Do. do. L. K\*\*\*. Lithotripsy,  
Oct. 1840.
- 359—18 Do. do. A. V\*\*\*, Reading, Pa.,  
40 years. Dec. 1847; cured in less than  
3 weeks by 4 operations by lithotrip-  
sy with Huerteloup's instrument.

## B.

- 359-19 Fragments, urinary calculus. J. D\*\*\*, Oct. 1840. Lithotripsy.
- 359-20 Do. do. D. M'M\*\*\*, aged 11 years. Lithotripsy, Penn. Hosp. 1839. Operation with Jacobson's and Huerteloup's instrument. One small fragment lodged in urethra for 5 weeks and then cut out.
- 359-21 Do. do. F. M'F\*\*\*, 8 years. Lithotripsy, Penn. Hosp., Nov. 1846.
- 359-22 Do. do. W. Y. B\*\*\*, 73 years. Disease of 5 years. Six operations with Jacobson's instrument, April, 1837.
- 359-23 Do. do. J. F\*\*\*, 60 years. Jac. inst. 1839.
- 359-24 Do. do. S. K\*\*\*, 57 yrs. Huert. inst. Oct. 1847.
- 359-25 Do. do. Col. B. B\*\*\*, 70 years. April to Nov. 1835. Lithotripsy, 6 operations.
- 359-26 Do. do. A. H. B\*\*\*. Lithotripsy, March, 1846.
- 359-27 Do. do. L. H\*\*\*, 18 years; suffered 17 years. Huert. inst., Nov. 1847, in Penn. Hosp.
- 359-28 Do. do. (uric acid.) M. B\*\*\*, 4 years. Jac. inst. in 8 sittings.
- 359-29 Do. do. Mr. L\*\*\*, April, 1844. Lithotripsy.
- 359-30 Do. do. R. D. M\*\*\* of Va., 35 years; suffered 19 years. Lithotripsy, 5 operations, Nov. to Dec. 1839.
- 359-31 Do. do. S. P\*\*\*, 76 years. Feb. 1838, 2 operations with Jac. inst.
- 359-32 Do. do. Mr. C. M\*\*\*, 57 years. Sept. to Oct. 1835, 3 operations with Jac. inst.
- 359-33 Do. do. Mr. L\*\*\* of Lancaster Co., Pa. Lithotripsy, Jan. 1845.
- 359-34 Do. do. J. E\*\*\* of Cuba, 19 years; suffered 9 years. Lithotripsy in Penn. Hosp., March, 1840.
- 359-35 Do. do. Capt. H. H\*\*\*. Lithotripsy, Oct. 1831.
- 359-36 Do. do. J. W\*\*\*. Lithotripsy, 1839; whole weight, 8 drs. 48 grs.

## B.

359-37 Urinary calculus from E. H\*\*\* of Va. Lithotomy.

359-38 Do. do. (oxalate of lime), 620 grs., from M. B\*\*\*, Oct. 1831.

359-39 Do. do. from A\*\*\*. Lithotomy.

359-40 Do. do. W. M'E\*\*\*, 11 years. Lithotomy in Penn. Hosp., Jan. 1837.

359-41 Do. do. G. H\*\*\*, 2 years. Lithotomy, 1837.

359-42 Do. do. F\*\*\*. Lithotomy, 1835.

359-43 Do. do. (phosphate of lime.) J. D\*\*\*, 14 years. Lithotomy, June, 1835.

359-44 Do. do. Dr. F\*\*\* of N.C. Lithotomy, March, 1834.

359-45 Do. do. F. G\*\*\* of N. C., 8 years. Lithotomy, Oct. 1844.

359-46 Do. do. (ammoniac-magnesian phosphate.) G. W. M\*\*\*. Lithotomy, March, 1839.

359-47 Do. do. J. M\*\*\*, 2 years. Lithotomy, Penn. Hosp., March, 1839.

359-48 Do. do. (phosphate ammonia and magnesia.)

359-49 Do. do. do.

359-50 Do. do. do. A. S\*\*\*, April, 1829. Nucleus a bean.

359-51 Do. do. Son of Col. H\*\*\* of N. C., Oct. 1843.

(From No. 359-4 to 359-51, inclusive, were all extracted by the late Dr. J. Randolph, and were deposited in the Wistar Museum by his widow, Feb. 21, 1850.)

Uric acid calculi; of which nearly 1000 were taken from Chief Justice Marshall, Oct. 13, 1831, by Prof. P. S. Physick. From Dr. Randolph's collection. See also B. 358-8.

360 Glass bell, containing urinary calculi, marked Nos. 14, 15, Horner.

No. 14. Extracted by Dr. Physick, do.

No. 15 Do. do. do.

360-1 Glass bell, containing an urinary calculus, marked 16, cut from a boy in 1824, by Dr. Physick, do.  
marked 17, taken from a man of 64, it belongs to the bladder No. 139-2, do.

## B.

- marked 18, cut from a man, of 83 years,  
by Dr. Horner, June, 1825, belongs to  
preparation 139—6, Horner.
- 360—2 Glass bell, containing ossifications, do.  
No. 1. Of knee joint, cut out by Dr. Physick.  
No. 2. Of shoulder joint, found in dissecting.  
No. 3. Of pleura, got in 1818.
- 361 Glass bell, containing biliary calculi, marked 16, 17, 18.  
No. 16, Horner.  
Nos. 17, 18. Taken from the gall bladder, after death, by Dr. Physick, from a patient, do.
- 361—1 Glass bell, containing several biliary calculi, discharged per anum, from a female, presented by Prof. Dewees, do.
- 361—2 Biliary calculi, discharged near umbilicus, presented by Dr. S. Tucker, do.
- 361—3 Biliary calculi, do. 1830.
- 361—4 Do. do. do.
- 361—5 Do. do. do.
- 361—6 Do. do. do.
- 361—7 Do. do. Dr. Goddard. 1838.
- 361—8 Do. do. presented by Dr. Samuel Pollock, of Williamsport, Penn., 1843.

## COMPARATIVE ANATOMY AND NATURAL HISTORY.

## B.

- 362 Coral, Horner.
- 363 Jaws of a shark, Dr. Chapman.
- 364 Do. do. P. H.
- 365 Head of rock fish, Horner.
- 365—1 Head of a porpoise, do. 1830.
- 366 Upper jaw-bones of a fish, (sheep's head) Wistar.
- 367 Head of a sheep, Horner.
- 367—1 Do. of a young deer, do.
- 368 Do. of a large dog, do.
- 369 Do. of a small dog, P. H.
- 370 Do. of a cat, do.



<i>B.</i>			
371	Head of a cat,	Horner.	
372	Do. of an otter ( <i>Lutra canadensis</i> ),	Wistar.	
373	Do. of a martin,	do.	
374	Do. of a rabbit,	Horner.	
374—1	Do. of a hog,	do.	1845.
374—2	Do. do.	do.	"
374—3	Do. do.	do.	"
374—4	Do. parrot,	do.	"
374—5	Do. ape,	do.	"
374—6	Do. horse,	do.	"
374—7	Do. large sea turtle,	Wistar.	1818.
375	Bone of penis of raccoon,	do.	
375—1	Do. do.	from Dr. Chapman.	
376	South American lizard,	Wistar.	
377	Heart of a large dog,	do.	
378	Do. of a panther,	do.	
379	Do. of a sea turtle,	do.	
380	Do. of a cat,	do.	
381	Do. do.	do.	
382	Bull frog injected,	do.	
383	Piece of turtle's lung,	do.	
384	Do. do.	do.	
385	Do. do.	do.	
386	Trachea of bullock,	do.	
387	Larynx of do.	do.	
388	Cat, natural skeleton of,	do.	
389	Squirrel do.	do.	
389—1	Head of a squirrel,	Horner.	1830.
390	Mouse, natural skeleton of, prepared by Dr. J. R. Barton,	Wistar.	
390—1	Natural skeleton of bat, from Dr. Ruschenberger.		
391	Duck, natural skeleton of,	Wistar.	
392	Chicken do.	do.	
392—1	Natural skeleton of a fœtal pig, coloured in utero by feeding the mother on madder, presented by Prof. R. D. Mussey,	Horner.	"
392—2	Skeleton of a land tortoise, prepared and presented by Dr. P. Wilkie Brown, of Richmond, Va.,		1840.
392—3	Skeleton of frog, from same,	do.	"
392—4	Do. red bird, do.	do.	"
392—5	Do. bat, do.	do.	"
392—6	Do. rat, do.	do.	1845.
393	Monkey injected,	Wistar.	
394	Do. natural skeleton of,	Horner.	

- B.*
- 394—1 Monkey, head of, presented by Dr. Bradford.  
 394—2 Do. do. do.  
 394—3 Black bear, natural skeleton of, Horner.  
 395 Mastodon, lower jaw of, Wistar.  
 396 Head of American deer, P. H.  
 397 Box of insects, presented by Dr. Rodrigue. 1830.  
 398 Do. do. do. “  
 398—1 Fifteen prep. in comp. anatomy, by Henry  
     Goadby, Esq., of London, as follows:  
     Three *Axolotl marmorata*.  
     *Membranipora pilosa*.  
     *Flustra carbacea*.  
     *Thaumantius pilosella*.  
     Young *aureliæ*.  
     *Sarsia ornata*.  
     *Dyphida*.  
     *Distoma hepaticum*.  
     *Lernean*, male.  
     Do. female.  
     *Arachne*.  
     *Cetonia aurata*.  
     *Proventiculus* of *Grylotalpa*.  
 399 Snout of a saw fish, presented by  
     Prof. J. K. Mitchell. 1829.  
 400 Do. do. Mr. James B. Truet. 1830.  
 400—1 Do. porpoise, presented by do. 1832.  
 401 Deformed kitten, Prof. J. K. Mitchell. “  
 402 Larynx of wild goose, Horner. 1838.  
 403 Skeleton of a race-horse, Sir Charles, pre-  
     sented by his owner, Col. Johnson. “  
 404 Skeleton of ostrich, prepared by Flohr. “  
 405 Do. of elephant, do. do. “  
 406 Do. of striped hyena, do. do. 1839.  
 407 Do. of an English dray-horse, present-  
     ed by Mr. Harrison, Treasurer of Guy’s  
     Hospital, London, do. 1841.  
 408 Skeleton of a St. Bernard dog, do. “  
 410 A shrunk kid from Rio Janeiro, showing the  
     drying effects of the atmosphere. Pre-  
     sented by Dr. Murray Maxwell, U. S. N., “  
 411 Bony labyrinth of a whale. Presented by  
     Dr. Th. C. Dunn, of Newport, 1840.  
 412 Star fish, 1836.  
 413 Rib of a mannitti or sea cow, from Florida,  
     brought by Capt. Fulton, U. S. A., and  
     presented by Prof. Samuel Jackson, 1840.

<i>B.</i>			
414	Skeleton of a cow, articulated by	Flohr.	1842.
415	Do. of a ram,	do.	"
416	Do. of a lioness,	Lukens.	1844.
417	Albatross, presented by	Dr. H. L. Hodge.	"
418	Vertebra of a whale,		"
419	Do. do.	W.	1818.
420	Skeleton of a Shetland pony, presented by Ph. Physick, Esq., and articulated by E. Flohr,		1842.
421	Skeleton of a wolf,	Horner.	1844.
422	Vertebra of a Basilosaurus presented by Dr. A. B. C. Dossey,	do.	1846.
423	Skeleton of an alligator,		"
424	Head of do.		"
425	Chicken with four legs,		"
426	A piece of string enclosed in a concentric growth of wood,	do.	1828.
427	Skeleton of procyon lotor,		1848.
428	Do. of didelphis virginiana,		"
429	Do. of felis catus,		"
430	Do. of mephitis americana,	Leidy.	"
431	Do. of lepus americana,		"
432	Do. of sciurus carolinensis,		"
433	Do. of haliaetus leucocephalus,		"
434	Do. of surnea nyctea,		"
435	Do. of mergus,		"
436	Do. of numenius hudsonicus,		"
437	Do. of quiscalus ferrugineus,		"
438	Do. of picus querulus,		"
439	Do. of anas,		"
440	Do. of columba,		"
441	Do. of emys terrapin,		"
442	Do. of chelonia midas,		"
443	Do. of alligator mississippiensis,		"
444	Do. of pimelodus catus,		"
445	Do. of morrhua americana,		"
446	Do. of platessa,		"
447	Do. of anguilla tennuirostris,		"
448	Do. of esox,		"
449	Do. of tautoga americana,		"
450	Do. of labrax lineatus,		"
451	Do. of astur cooperi,		"
452	Do. of falco sparverius,		"
453	Do. of sturnus ludovicianus,		"
454	Do. of scolopax,		"
455	Do. of felis leo, ♀, presented by Dr. Goddard.		1849.

<i>B.</i>			
456	Skeleton of cynocephalus,	Leidy.	1849.
457	Do. of scalops canadensis,	do.	"
458	Do. of sciurus volucella,	do.	"
459	Do. of pimelodus catus,		"
460	Do. of rana pipiens,	do.	"
461	Do. of columba domestica,	do.	"
462	Do. of chamæleo,	do.	"
463	Do. of fringilla,	do.	"
464	Do. of felis catus, deformed,	do.	"
465	Do. do. do.	do.	"
466	Do. of anas domestica, do.	do.	"
466—1	Shad.		
466—2	Quiscalus ferrugineus.		
466—3	Bombicilla.		
466—4	Cervus virginianus, skeleton of.		
467	Cranium of labrax lineatus,		"
468	Do. of sciurus carolinensis,	Leidy.	"
469	Do. do. striatus,	do.	"
470	Do. of mus decumanus,	do.	"
471	Do. of mus musculus,	do.	"
472	Do. of rana pipiens,	do.	"
473	Nine crania of anas,	do.	"
474	Thirteen do. of small birds of various genera,	do.	"
475	One do. of strix,	do.	"
476	Dentition of sus scrofa,		"
477	Do. of ovies aries,		"
478	Do. of canis familiaris,		"
479	Do. do. do.		"
480	Do. of bos bovis,		"
480—1	Do. do.		"
481	Do. of equus primigenius,		"
482	Do. of lepus americanus,		"
483	Do. of didelphis virginiana,	Leidy.	"
484	Do. do. do.	do.	"
485	Do. of cynocephalus,	do.	"
486	Do. of fiber zibethicus,	do.	"
487	Do. of felis leo,	do.	"
488	Do. of canis familiaris,		"
489	Do. of didelphis virginiana,		"
490	Do. of mus decumanus,		"
491	Do. of equus primigenius (old age),		"
492	Do. of scalops canadensis,	Leidy.	"
493	Long. section of teeth (2) of hippopotamus,	do.	"
494	Do. of canine of sus scrofa,	do.	"
495	Bony tentorium of canis familiaris,	do.	"
496	Profile section, cranium of didel. virgin.,		"

B.		
497	Pelvis of auchenia,	Leidy. 1849.
498	Do. of felis pardus,	do. "
499	Do. of fiber zibethicus,	do. "
500	Do. of canis familiaris,	do. "
501	Do. of two spec. simia,	do. "
502	Do. of felis catus,	do. "
503	Do. of simia satyrus,	do. "
504	Thorax of do. do.	do. "
505	Do. of auchenia,	do. "
506	Do. of cassuarius,	do. "
507	Sternum and trachea of cygnus,	do. "
508	Vertebræ capitis of bos bovis,	do. "
509	Do. do. of sus scrofa,	do. "
510	Sections (6) bones of struthio camelus, exhibiting the air cavities,	do. "
511	Heart of felis leo,	do. "
512	Do. of cynocephalus,	do. "
513	Gall bladder of felis leo,	do. "
514	Larynx of elephant,	do. "
515	Ossa femoris and humeri of elephas indica, in longit. sect. (4), exhibiting the internal structure. Presented by Dr. Goddard.	do. "
516	Do. in long. sec. (2),	Leidy. "
	A cabinet of insects exhibiting one thousand and fifty-seven species, from Russia, Finland, Siberia, Caucasus, Sweden, and Lapland, some of which are very rare,	1832.
	A cabinet of insects presented by Doctor M <sup>r</sup> Murtrie, containing about 400 species,	"
	A collection of fossil shells and remains, 200 specimens,	1830.
	200 specimens in mineralogy,	"
	100 do geology,	"
	36 models of the various forms of crystallization,	"
	50 precious stones,	"

## MISCELLANEOUS ARTICLES.

- C.  
 1 Letter from General Washington of July,  
 1794, Horner.  
 2 Table of temperatures.  
 3 Venereal ulcer, drawing of, presented by  
 Abraham Colles Esq., of Dublin, do. 1821.  
 4 Pistol got at Waterloo in 1821, from the  
 field of battle: obtained from La Costa,  
 the peasant who guided Napoleon, do.  
 5  
 6 Instrument for examining the meatus audi-  
 torius externus, invented by Dr. Fisher,  
 of Boston, do.  
 7 Stamp put upon the necks of infants re-  
 ceived at the Foundling Hospital in Paris, do. "  
 A collection of splints and other apparatus,  
 remarkably well prepared by the late Dr.  
 Balfour, of Norfolk, Virginia, presented  
 by his son, Dr. Eleazer Balfour.  
 8 Model for illustrating muscular action,  
 Dr. P. B. Goddard.  
 9 Transferred to 14—2.  
 10 Pair of lithographs of elephantiasis of scro-  
 tum, before and after operation, by Dr.  
 Picton. See A. 140—1.  
 11 Transferred to 14—1.  
 12 Indian calabash of earthen ware, from an  
 ancient mound on Harpeth river, Wil-  
 liamson Co., Tennessee. Presented by  
 Dr. G. A. J. Mayfield. 1841.  
 13 Indian bowl from same mound, do. "  
 14 Indian calumet of carved stone, from a field  
 in the same vicinity, exposed by plough-  
 ing, do. "  
 15 Ancient Indian calabash of earthen ware,  
 being a representation of the human fig-  
 ure, from Brazil. Presented by Dr. Mur-  
 ray Maxwell, U. S. N., "  
 16 Alluvium from a Hindostan skull, B. 217-22,  
 Dr. James Mease. 1843.





## APPENDIX.

- |          |  |   |     |                              |
|----------|--|---|-----|------------------------------|
| Page 15. | 145  | Model in papier maché of heart of oyster. |     |                              |
|          | 146  | do.                                       | do. | do. fish.                    |
|          | 147  | do.                                       | do. | do. dugong.                  |
|          | 148  | do.                                       | do. | tracheæ of insect.           |
|          | 149  | do.                                       | do. | nervous system of star-fish. |
|          | 150  | do.                                       | do. | do. cray fish.               |
|          | 151  | do.                                       | do. | do. caterpillar.             |
|          | 152  | do.                                       | do. | do. pupa.                    |
|          | 153  | do.                                       | do. | do. butterfly.               |
|          | 154  | do.                                       | do. | do. spider.                  |
|          | 155  | do.                                       | do. | human eye.                   |
|          | 156  | do.                                       | do. | side of head.                |
|          | From 145 to 156, inclusive, made by Azoux, Paris. 1848.                      |   |     |                              |
| Page 24. | A. 69-2, 69-3, 69-6, to 69-10, and 69-12, prepared by Schafhirt.             |   |     |                              |
| Page 25. | A. 84-18 Minute injection of small intestine from cholera patient.           |   |     |                              |
|          | 84-19  | do.                                       | do. | do.                          |
|          | 84-20  | do.                                       | do. | do.                          |
|          | 84-21  | do.                                       | do. | healthy.                     |
|          | 84-22  | do.                                       | do. | do.                          |
|          | 84-23  | Portion of small intestine of cholera do. |     |                              |
|          | 84-24  | do.                                       | do. | do.                          |
|          | From 84-18 to 84-24, inclusive, prepared and presented by Dr. J. Neill.      |   |     |                              |
| Page 40. | A. 234-40 to 234-48, inclusive, and 234-51, 234-52, prepared by Schafhirt.   |   |     |                              |
| Page 49. | B. 24-2 Female mammæ injected with mercury; 2 preparations by Schafhirt.     |   |     |                              |
| Page 49. | B. 19-3 Lacteals of horse; 12 preparations, on 10 blackboards, by Schafhirt. |   |     |                              |
| Page 49. | B. 19-4 Do. of turtle; 5 do. on 3 do. by do.                                 |   |     |                              |
| " 52.    | B. 84-2 Prepared and presented by John Brown.                                |   |     |                              |

Page	54.	B. 139	Lost.	
"	"	B. 147-2		
"	56.	B. 183-11 to 183-13, inclusive,		} Prepared by Schafhirt.
"	59.	B. 205-3		
"	"	B. 214-1, 214-2.	Prepared by J. Brown.	
"	61.	B. 222-3 to 222-10, inclusive.	Prep. by Schafhirt.	
"	62.	B. 223-9, 226-1	}	do.
"	76-7	B. 427 to 466-4		
"	77.	B. 466-5	Skeleton of cygnus americanus.	Prepared by Schafhirt.
"	"	B. 466-6	Do. of ardea violacea,	do.
"	"	B. 466-7	Do. do. exilis,	do.
"	"	B. 466-8	Do. procellaria pelagica,	do.
"	"	B. 466-9	Do. cistudo carolinensis,	do.
"	"	B. 467		do.
"	"	B. 467-1	4 crania of fish,	do.
"	"	B. 467-2	7 do. reptiles,	do.
"	"	B. 467-3	25 do. birds,	do.
"	"	B. 467-4	18 do. mammals,	do.
"	"	B. 476 to 494, inclusive,	}	do.
"	78.	B. 497 to 516,	do.	



